User's Guide
HP iPAQ Pocket PC h6300 Series

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> **WARNING:** Text set off in this manner indicates that failure to follow directions could result in bodily harm or loss of life.

> **CAUTION:** Text set off in this manner indicates that failure to follow directions could result in damage to equipment or loss of information.

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First Edition (February 2004)
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Contents

1 Getting to Know Your HP iPAQ Pocket PC

2 Using the Phone Functions

3 Using Wireless LAN

4 Using Bluetooth

DRAFT - Revised 11/24/03

Contents

7 Expansion Cards

8 Using E-mail

9 Using ActiveSync

10 Managing the Battery

11 Learning the Basics

12 Learning Input Methods

13 Troubleshooting

A Regulatory Notices

B Specifications

1

Getting to Know Your HP iPAQ Pocket PC

Use this chapter to find out about setting up your Pocket PC and to learn about how it works.

The software programs described below are preinstalled on your Pocket PC. These preinstalled programs are not deleted if your Pocket PC loses power.

You can find detailed information for using these programs in the Help files on your HP iPAQ Pocket PC. To access these Help files, from the **Start** menu, tap **Help** and select a program.

In addition, Microsoft Pocket PC Basics provides instructions on operating the Pocket PC. To locate Pocket PC Basics, go to the **Today** screen and tap **Start** > **Help > Pocket PC Basics.**

HP iPAQ Software	Functions
Asset Viewer	Lists detailed information about your system and its configuration.
Bluetooth	Enables short-range wireless communications technology capable of exchanging information up to a distance of about 30 feet (10 meters).
HP Image Capture	Take digital photographs with the camera included on the Pocket PC.
HP Image Zone for Pocket PC	Use to view and edit photos.

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HP iPAQ Software	Functions
	(Continued)
HP Image Transfer	Transfer digital photographs from the Pocket PC to your personal computer.
iPAQ Backup	Back up your data to protect it from loss due to a drained battery, accidental deletion, or hardware failure.
HP iPAQ Image Zone	Display individual images and run slide shows on your Pocket PC. Also display images from the HP Image Capture camera application or a digital camera's SD storage card.
Self-Test	Run a basic diagnostic test on the device.

Microsoft Pocket PC Software	Functions
ActiveSync	Synchronize the information between your Pocket PC and personal computer so you have the latest information in both locations. Be sure you install ActiveSync on your personal computer before connecting the cradle and Pocket PC to your computer.
Calculator	Perform calculations and convert currency.
Calendar	Schedule appointments, meetings, and other events, and set an alarm to remind you of the appointments. Appointments for the day are displayed on the **Today** screen.
Connections	Connect your Pocket PC to the Internet and intranet to browse Web sites, send and receive e-mail, and synchronize information using ActiveSync.
Contacts	Keep an updated list of friends and colleagues to e-mail, message, and telephone.
Inbox	Receive and send Internet e-mail messages in Inbox on your Pocket PC or your computer if ActiveSync is installed. You must have an e-mail address provided by your Internet Service Provider (ISP) or employer to send and receive e-mail.
Notes	Create handwritten or typed notes, drawings, and recordings.
Pictures	View individual pictures, run a slide show, or set a picture as the background on the **Today** screen.
Pocket Excel	Create and edit workbooks or view and edit Excel workbooks created on your computer.

Microsoft Pocket PC Software	Functions
	(Continued)
Pocket Internet Explorer	Browse the Internet and download pages through synchronization or by connecting to the Internet.
Pocket Word	Create new documents or view and edit Word documents created on your computer.
Ring Tones	Select different sounds to notify you of incoming calls.
Settings	Obtain quick access to settings for the backlight, clock, memory, power, regional settings, **Today** screen, password, sounds and notifications, etc.
Tasks	Keep track of your to-do list.
Terminal Services Client	Log onto your computer and use all the programs available on that computer from your Pocket PC (Windows 2000 and XP or later).
Windows Media Player 9 Series	Play digital audio and video files in Windows Media or MP3 format on your device.

Using the Stylus

Your Pocket PC comes with a stylus that you should use to tap or write on your screen.

△ **CAUTION:** To prevent damage to your Pocket PC screen, never use any device other than the stylus that comes with the Pocket PC Phone or an approved replacement to tap or write on the screen. If you lose or break your stylus, you can order extras at www.hp.com/products/pocketpc/options.

You can perform three basic actions using the stylus:

Tap—Lightly touch the screen to select or open an item. Lift the stylus after you tap an item. Tapping is equivalent to clicking an item with the mouse on your computer.

Drag—Place the point of the stylus on the screen and drag an item across the screen without lifting the stylus until you have completed the selection. Dragging is equivalent to dragging with the left mouse button pressed on your computer.

Tap and hold—Hold the stylus pointer on an item for a short time until a menu displays. Tapping and holding is equivalent to right-clicking your computer mouse button. When you tap and hold, a circle of red dots appears around the stylus to indicate that the menu will soon pop up.

Setting the Date and Time

When you turn on your Pocket PC for the first time, you are requested to select your time zone. After setting the time zone, you still need to set the time and date on your unit. All three settings are located in the Clock Settings screen and can be set at the same time.

NOTE: By default, the time on the Pocket PC is synchronized with your computer each time the two devices connect using ActiveSync.

Setting the Time for Home and Locations You Are Visiting

From the **Start** menu, tap **Settings** > **System** tab > **Clock** icon.

Shortcut: From the **Today** screen, tap the **Clock** icon to set the time.

1. Tap either **Home** or **Visiting.**

2. Tap the **time-zone** down arrow, and select the appropriate time zone.

3. Tap the hour, minutes, or seconds, and use the up and down arrows to adjust the time.

   Shortcut: You can also adjust the time by moving the hands of the clock with the stylus.

4. Tap **AM** or **PM.**

5. Tap **OK.**

6. Tap **Yes** to save the time.

Setting the Date

1. From the **Start** menu, tap **Settings** > **System** tab > **Clock** icon.

   Shortcut: From the **Today** screen, tap the **Clock** icon to set the date.

2. Tap the down arrow by the date.

3. Tap the left or right arrow to select a month and year.

4. Tap a day.

5. Tap **OK.**

6. Tap **Yes** to save the date settings.

You need to reset your time zone, time, and date if:

■ The location time (Home or Visiting) needs to be changed.

■ All power to the Pocket PC is lost, which removes all saved settings.

■ You perform a full reset of your Pocket PC.

    Shortcut: From the **Today** screen, tap the **Clock** icon to set the time zone, time, and date.

Entering Owner Information

You can personalize your HP iPAQ Pocket PC by entering owner information. To enter owner information:

1. From the **Today** screen, tap **Start** > **Settings** > **Owner Information.**

    Shortcut: From the **Today** screen, tap **Tap here to set owner information.**

2. Tap in the **Name** field. A keyboard appears at the bottom of the screen. Tap on the characters to enter your name.

Note: If you prefer, you can use Letter Recognizer, Microsoft Transcriber, or Block Recognizer to input information. Refer to Chapter 5, "Learning Input Methods," for more information.

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3. Tap the **Tab** key on the keyboard to move the cursor to the next field.

4. Continue entering whatever information you want to include.

5. To display owner information at startup, tap in the **Show information when device is turned on** checkbox.

6. Tap on the **Notes** tab to enter any notes.

7. Tap **OK** to save the information and return to the **Today** screen.

Setting a Password

You can set a password to prevent unauthorized access to or use of your Pocket PC.

1. From the **Start** menu, tap **Settings > Personal** tab > **Password.**

2. On the Password screen, tap the box next to **Prompt if device unused for**, then set the timed prompt.

3. Tap the circle next to **Simple 4 digit password** or next to **Strong alphanumeric password.**

4. Enter your password in the Password box using the screen keyboard and tap **OK.**

NOTE: Keep a record of your password in a safe place in case you forget it. If you are unable to retrieve your password, you must reset your Pocket PC and will lose your settings and information that is not saved in ROM.

Resetting the Unit

Performing a Soft Reset

A soft reset stops all running applications, but does not erase any programs or saved data.

⚠ **CAUTION:** Be sure to save any **unsaved** data before performing a soft reset since soft reset erases all **unsaved** data.

To perform a soft reset:

1. Locate the recessed **Reset** button on the left side of your iPAQ Pocket PC.

2. Use the stylus to lightly press the **Reset** button.

The Pocket PC restarts and displays the **Today** screen.

Performing a Hard Reset

Perform a hard reset (also known as a full reset) when you want to clear all settings, programs, and data from RAM.

⚠ **CAUTION:** If you perform a hard reset, your Pocket PC returns to its default settings and loses all information that is not recorded in iPAQ File Storage.

To perform a hard reset:

1. Press and hold the **Power** button for approximately three seconds.

2. While holding the Power button, use the stylus to lightly press the **Reset** button on the left side of the Pocket PC.
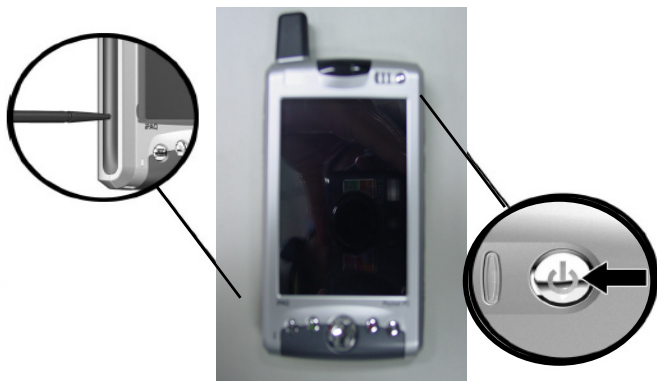
Resetting the Pocket PC

3. When the Pocket PC screen begins to fade, release the Power button and remove the stylus from the Reset button.

The Pocket PC resets and powers on.

Aligning the Screen

When the Pocket PC is turned on for the first time, you are guided through a screen alignment process. You must realign your screen if:

■ The Pocket PC does not respond accurately to your taps.

■ You perform a hard reset of your Pocket PC.

To realign the Pocket PC screen:

1. From the **Start** menu, tap **Settings** > **System** tab > **Screen** icon.

2. Tap the **Align Screen** button.

   Shortcut: To access the **Align Screen** application without tapping on the screen, push down and hold the 5-Way Navigation button, then press the Calendar application button (▦).

3. Tap the cross-hair object at each location. Be precise when tapping the cross-hair object.

4. Tap **OK.**

Routine Care

To keep your Pocket PC in good condition and working properly, follow these guidelines:

■ Keep your Pocket PC away from excessive moisture and temperature extremes.

■ Do not expose your Pocket PC to liquids or precipitation.

■ Do not place anything on top of your Pocket PC to prevent damage to the screen.

■ Clean your Pocket PC by wiping the screen and the exterior with a soft, damp cloth lightly moistened only with water.

■ Avoid exposing your Pocket PC to direct sunlight or strong ultraviolet light for extended periods of time.

■ Avoid scratching the surface of the screen and banging it against hard objects.

■ Use only the stylus that comes with your Pocket PC or an approved replacement on the screen to prevent scratching it.

⚠ **CAUTION:** To reduce the risk of damage to the internal components, do not spray liquid directly on the screen, or allow excess liquid to drip inside your HP iPAQ Pocket PC. Using soap or other cleaning products on the screen may discolor the finish and damage it.

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2

Using the Phone Functions

Use the iPAQ Pocket PC phone functions to make and receive telephone calls and send and receive SMS (Short Message Service) and MMS (Multimedia Message Service) messages. Your mobile phone service provider may also provide other useful services such as voice mail.

iPAQ Pocket PC phone functions can also be used to connect to an Internet Service Provider (ISP) or work network so you can browse the Web and read e-mail. You can connect to the Internet or work network over GPRS (General Packet Radio Service), or you can use GSM (Global System for Mobile Communications) for dial-up access. For information on establishing GSM/GPRS connections, refer to Chapter 5, "Making Your Connections."

Your SIM Card

A SIM (Subscriber Identity Module) card (also known as a Smart card) is required to operate the phone features on your iPAQ Pocket PC. The SIM card is a plastic card embedded with a computer chip that stores and transacts data between users. After the SIM card is activated by your mobile phone service provider, the computer chip will contain information about your phone number, service, registration information, and contacts, as well as memory to store speed dial numbers and text or SMS/MMS messages that you receive.

With the exception of emergency calls, the SIM card must be inserted into the SIM slot under the battery on the back of the Pocket PC in order for voice to work.

■ To dial an emergency number, use the phone function keypad to enter the emergency number appropriate for your region and tap **Send.**

NOTE: For a list of international emergency numbers, go to the following Web site: http://www.???????

Activating Your Phone Service

Before you are able to use the phone feature on your Pocket PC, you will need to subscribe with a mobile phone service provider.

NOTE: If you have purchased a prepaid SIM card to use with your iPAQ Pocket PC, the following information is not applicable.

After you select a service provider, you must place a phone call to the service provider to activate your mobile phone service. Your SIM carrier may require the following information to activate your card:

❏ SIM Card Serial Number (printed on the box label or on the back of the SIM card)

❏ IMEI Number (printed on the system label under the battery)

Your mobile phone service representative will give you your wireless phone number and walk you through setting up your service.

The following features are supported on your iPAQ Pocket PC; however, these features must be activated by your mobile phone service provider:

❏ Call Forwarding

❏ GPRS—General Packet Radio Service

❏ International Dialing

❏ International Roaming

❏ Internet access

❏ SMS/MMS—Short Messaging Service/Multimedia Messaging Service

❏ Voice Mail

❏ VPN—Virtual Private network

❏ WAP—Wireless Application Protocol

Additional information on obtaining these services must be obtained from your mobile phone service provider.

Your PIN

After your SIM card is activated, it may be configured with a PIN (Personal Identification Number) to prevent unauthorized use of your mobile phone.

You can disable your PIN; however, for security reasons, it is recommended that you keep it enabled. While enabled, you must enter your PIN every time you turn on your phone features.

> △ **CAUTION:** After three consecutive, incorrect PINs are entered, the SIM card locks to prevent further use. If the letters **PUK** (PIN Unblocking Key) display on your Pocket PC screen, you have locked your SIM card and must contact your service provider to unlock it.

If your Pocket PC is ever stolen or lost, the PIN will safeguard your phone functions against fraudulent use.

To enable your PIN:

1. From the Phone keypad, tap **Tools** > **Options** > **Phone** tab.

2. Select **Require PIN when phone is used**.

NOTE: To change the PIN at any time, tap **CHANGE PIN.**

NOTE: To safeguard your Pocket PC device from unauthorized use, see Chapter 1, "Getting to Know Your HP iPAQ Pocket PC."

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Phone Buttons and Icons

Phone Icons	Definition
📞	■ **Press this Application Button** to answer a call, access the dialer keypad, and send a call. ■ Press and hold this Button to activate the speakerphone function.
📞	**Press and hold this Application Button** to turn on/off the phone or end a call.
📶	Phone is powered on.
📶✗	Phone is powered off.
📶...	Network is searching or unavailable.
📶!	Phone connection unavailable or network error.
📶	Signal strength indicator for phone functions.
📞!	Call missed. Tap this icon to view missed calls.
	Call Holding.
	Call Forwarding Active.
	Voice Mail Received.
	Data Connection.
📳	Event notifications set to vibrate instead of alarm. To set to vibrate: Tap **Speaker** icon in the Navigation bar and in the pop-up menu, tap **Vibrate.**
G	GPRS Service is available.

Phone Icons	Definition
	GPRS Connection Active.
🯄	One or more instant messages have been received. Tap this icon to view messages.
✉	One or more e-mail/SMS/MMS messages have been received. Tap this icon to view messages.
🎤✗	Microphone is in mute position.

Checking Your Connection and Signal Strength

After you insert the activated SIM card into your Pocket PC, your unit will connect to your service provider's network.

The icon (📶) indicates that you are connected to your service providers network. After that, a full strength is indicated by the icon (📶). The number of vertical bars in the icon diminish as the signal strength diminishes. The Phone icon (📶) indicates no signal.

When traveling internationally or between regions, you may need to change the frequency band on your Pocket PC to be able to make a connection. To change the frequency band:

1. From the **Start** menu, tap **Settings > Phone** icon > **Band.**

2. Tap the circle next to

   ❏ GSM 850/1900 for North America

   ❏ GSM 900/1800 for regions outside of North America

Select the correct frequency band for the country or region you are traveling through.

Turning the Phone Functions On and Off

You can turn your Phone functions on and off while keeping your actual Pocket PC turned on.

There are several ways to turn on your Phone functions:

- Press and hold the Red 📞 application button on the front of your Pocket PC, or

- From the **Start** menu, tap **Phone.** Enter your phone number on the screen and tap **Yes** when asked if you want to turn on the phone.

- From the **Start** menu, tap **iPAQ Wireless** and select **GSM.**

- If the Pocket PC is in Flight Mode, tap the 📶 icon in the Navigation bar and, from the Pop-up menu, tap **Turn off flight mode.**

  NOTE: Flight mode turns on/off all wireless functions on your Pocket PC. Turn on Flight mode when you are traveling by air to prevent a wireless function from automatically turning on.

There are several ways to turn off your phone functions:

- Press and hold the Red 📞 application button on the front of the unit, or

- From the **Start** menu, tap **iPAQ Wireless** and select **GSM** to turn off.

- Tap the 📶 icon in the Navigation bar and, from the Pop-up menu, tap **Turn on flight mode.**

NOTE: Leave the phone function turned on to receive calls when your Pocket PC is powered off.

You can use other programs on your device during a call. To quickly switch back to Phone, tap the Green ✆ **application button**, or tap **Start > Phone.**

HP Profiles

INFORMATION TO BE ADDED.

Making and Receiving Phone Function Calls

You can now make local or long distance domestic calls and, if you requested setup, you can also make international calls.

Making a Call

When you turn on the Phone functions, the Phone keypad displays on the Pocket PC screen.

■ From the Phone keypad, tap the number you want to call, and then tap **Talk** or press the **Send** button.

■ Other ways to make a call:

❑ From Contacts (refer to the section on "Making a Call From Contacts")

❑ Using Speed Dial (refer to the section on "Making a Call Using Speed Dial")

❑ From Call History (refer to the section on "Making a Call from Call History")

❑ Making a Conference Call (refer to the section on "Making a Conference Call")

Answering a Call

When you receive a phone call, the phone function rings or vibrates and a message will appear on the screen, giving you an option to either answer or ignore the incoming call.

■ Tap **Answer** or press the Green 📞 application button to receive the call.

NOTE: To silence the phone and reject the call, tap **Ignore.** This may send the caller to your voice mail or send out a busy signal, depending on your service provider.

Ending a Call

When your phone call is finished, tap **End** on the Phone keypad or press and hold the Red 📞 Application Button to end the call.

Making a Call from Contacts

■ From the Contacts list, tap and hold the contact's phone number, then tap **Call Work, Call Home,** or **Call Mobile.**

■ To make a call from an open contact, tap the number you want to call.

SIM Contacts Help

When switching SIM cards between devices, use SIM Contacts to copy contacts from a new SIM card to Contacts on your device.

❑ To copy a contact from your SIM card onto your device, in SIM Contacts, select the contact you want to copy to your device and tap **COPY NOW.**

❑ To verify that your contacts have been copied to your device, switch to **Contacts** and search for the added contacts.

Creating a Speed Dial Entry

You can create up to 99 speed dial entries to call frequently-called numbers. Before you can create a speed dial entry for a phone number, that number must already exist in Contacts.

1. From the Phone keypad, tap **Speed Dial > New.**

2. Tap the desired contact name and number.

3. In the **Location** field, tap the Up/Down arrows to select an available location to assign as the new speed dial entry. The first speed dial location is reserved for your voice mail.

4. Tap **OK.**

NOTE:

■ To create a speed dial entry directly from Contacts, tap and hold the contact name, tap **Add to Speed Dial,** and then tap the Up/Down arrows to select an available location to assign as the new speed dial entry. Tap **OK.**

■ To edit or delete a speed dial entry, go to the **Speed Dial** list, tap and hold the contact name in the box to the right of the assigned speed dial number, and then tap **Edit** or **Delete.**

Making a Call Using Speed Dial

■ From the Phone keypad, tap **Speed Dial,** and then select the speed dial location number of the desired contact. You can also press and hold the speed dial location number assigned to a contact directly from the Phone keypad.

NOTE:

■ To dial a one-digit speed dial number from the Phone keypad, tap and hold a single keypad key.

■ To dial a two-digit speed dial number from the Phone keypad, tap the first digit, then tap and hold the second digit.

Making a Call from Call History

■ From the Phone keypad, tap **Call History,** and then tap the icon next to the desired number.

Making a Conference Call

You can create a three-way conference call between yourself and two other parties.

■ From the Phone keypad, dial the first number, tap **Talk** and tap **Hold,** dial the second number, tap **Talk** and then tap **Conference.**

Adjusting Phone Function Volume

During a phone call, press the up (+) or down (-) buttons located on the right side of the Pocket PC to adjust the Volume Control.

NOTE: The Phone function volume can only be adjusted during a phone call.

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Enabling the Mute Function

During a call, you can mute your microphone so that the person with whom you are speaking cannot hear you, but you can still hear him or her. This is useful if you do not want the other person to hear a conversation or background noise on your side of the call.

■ From the Phone keypad, tap the microphone icon 🎤 in the Command bar to mute or unmute a call.

Setting Ring Tones

Tap 🎚 > **Settings** > **Personal** tab > **Phone**.

❏ On the **Phone** tab, tap the dropdown lists under **Ring type** and **Ring tone** to select the type and tone of ring or vibration you want to receive for an incoming call. You may also choose to hear touch tones or beeps when you press the keypad.

NOTE: To use custom.wav, .mid, or .wma files as ring tones, use ActiveSync on your personal computer to copy the file to the /Windows/Rings folder on your device. Then, select the sound from the **Ring tone** list.

NOTE: For increased security in public places, set your Keypad sound to **beep** or off.

To control tones for the keypad, on the Phone tab under Keypad, select an option. For example, if set to **Long Tone** or **Short Tone,** the tone will be heard when the keypad is pressed. If set to **Off,** a tone is not played.

Changing Ring Tones

Add Information on this.

Changing Keypad Tone

Add information on this.

Enabling Speakerphone Mode

Your iPAQ Pocket PC has a speakerphone mode that allows you to talk hands-free or allows other people to listen to the caller.

To enable the speakerphone mode:

1. First establish a phone call.

2. Hold down the Green 📞 application button until the speakerphone dialog box comes on and the icon ( ) appears in the top Navigation bar.

Revised: 11/26/03

3. To turn off the speakerphone, hold down the 📞 application button again.

⚠️ **WARNING:** Do not leave the phone in speakerphone mode and hold it to your ear, the sound may temporarily impair your hearing.

Taking Notes During a Call

■ To create a note during a call, tap the Note icon 🗒️ in the Command bar and enter or record your note.

Messaging

Short Message Service (SMS)

SMS is the transmission of short text messages to and from a mobile phone, fax machine and/or IP address. A single SMS message must be no longer than 160 alpha-numeric characters and contain no images or graphics. Messages longer than 160 alpha-numeric characters will be sent as multiple SMS messages.

You can send Short Messages using the Phone keypad:

1. From the Phone keypad, tap **Tools > Send SMS.**

2. Tap **New.**

3. In the **To** field, enter either the e-mail address or SMS Number of one or more recipients, separating them with a semicolon, or select a name from the contact list by tapping the **Address Book** button in the Navigation bar. All e-mail addresses entered in the e-mail fields in Contacts appear in the Address Book.

4. Enter your message. To enter preset messages, tap **My Text** and select a message.

5. When the message is finished, tap **Send.**

✎ **NOTE:** If you are working offline, the message is moved to the Outbox folder and will be sent the next time you connect.

Multimedia Messaging Service (MMS)

The Multimedia Messaging Service (MMS) is a store-and-forward method of transmitting graphics, video clips, sound files and short text messages over wireless networks using Wireless Application Protocol (WAP). MMS also supports e-mail with the difference being that e-mails are sent directly to an e-mail address. However, the most common use of MMS is for communication between mobile phones.

If the recipient MMS phone is not switched on, the Multimedia Message will be stored and sent to the recipient as soon as they switch on their phone. If the message is sent to a non-compatible MMS phone, the user will receive a message that they have been sent a picture message and may also be given a Web site address and password with which to view the message.

You can send Multimedia Messages using the Phone keypad:

NOTE TO REVIEWERS: MMS is not included under the Tools options on the Onyx model that I have. The information below is duplicated from SMS for the purpose of bookmarking until the correct information is available.

1. From the Phone keypad, tap **Tools > Send MMS.**

2. Tap **New.**

3. In the **To** field, enter either the e-mail address or MMS Number of one or more recipients, separating them with a semicolon, or select a name from the contact list by tapping the **Address Book** button in the Navigation bar. All e-mail addresses entered in the e-mail fields in Contacts appear in the Address Book.

4. Enter your message or add your graphics or sound files.

5. When the message is finished, tap **Send.**

✎ **NOTE:** If you are working offline, the message is moved to the Outbox folder and will be sent the next time you connect.

Using Voice Mail

The first speed dial location defaults as your voice mailbox. When you insert your SIM/Smart card into your Pocket PC, it will automatically detect and set as default the voice mailbox number of your mobile service provider.

To retrieve your voice mail:

■   With the Phone turned on and the Phone keypad visible on the screen, press and hold down the left side of the 5-way navigation button for five seconds and release, select **1** Voice Mail, then press 📞.

NOTE: You may need to configure your phone to the Voice Mail setting by dialing or setting the Voice Mail dial number.

Putting a Call on Hold

During a phone call, tap **Hold** on the Phone keypad to put the call on hold.

Using Call Waiting

Call waiting notifies you of incoming calls when you are already in a phone session.

To activate Call Waiting:

1.   From the Phone keypad, tap **Tools > Options > Services** tab.

2.   Tap **Call Waiting > Get Settings.**

3.   Select **Notify me.**

NOTE: To stop using call waiting, select **Do not notify me.**

To use Call Waiting to answer an incoming call during a phone conversation, tap **Answer** to move the current phone call to **Call Waiting.** The phone call on **Call Waiting** displays on the screen. Tap **Ignore** if you do not want to answer the incoming call.

Displaying Caller ID

You can display your caller ID when placing a phone call.

1.   From the Phone keypad, tap **Tools > Options > Services** tab.

2.   Tap **Caller ID > Get Settings.**

3.   Select **Everyone.**

NOTE: To prevent your caller ID from being displayed to others, select **No One.**

Blocking Calls

Use call barring to block certain types of incoming and/or outgoing calls.

1.   From the Phone keypad, type **Tools > Options > Services** tab.

2.   Tap **Call Barring > Get Settings.**

3.   Select the type of incoming and/or outgoing calls you want to block.

Forwarding Calls

Use call forwarding to forward all incoming calls to a different number.

Revised: 11/26/03

1. From the Phone keypad, tap **Tools > Options > Services** tab.

2. Tap **Call Forwarding > Get Settings.**

3. Select **Forward all incoming phone calls,** and specify the phone number to receive forwarded calls.

You can also use call forwarding to forward incoming calls to a different number based on your situation.

❏ Select **Unavailable** to forward calls only when your phone is turned off or you are unreachable.

❏ Select **Busy** to forward calls only when the line is busy.

❏ Select **No answer** to forward calls only when you can't answer your phone.

NOTE: To stop using Call Forwarding, clear the box next to **Forward all incoming phone calls.**

Change the System Volume

You can adjust the volume for system sounds, such as the sound you hear when you tap on program names and menu options.

■ Tap the ◀€ icon in the Navigation bar.

■ In the pop-up volume box, move the system volume (▯€) slider to the desired volume level.

Select **On**, **Vibrate**, or **Off** to quickly change both the system and ringer volume settings.

NOTE: You can also press the volume control on your device to quickly change both the ringer and system volume settings.

Change the Ringer Volume

There may be times when you want to change the ringer volume on your device. For example, you may want to increase the ringer volume when you're anticipating an important call, or immediately silence the ringer when you receive a call during a meeting or when you're in a quiet environment.

■ Tap the (◀ξ) icon in the Navigation bar.

■ In the pop-up volume box, move the ringer volume (🎯) slider to the desired volume level.

Select **On**, **Vibrate**, or **Off** to quickly change both the ringer and system volume settings.

You can also press the volume control on your device to quickly change both the ringer and system volume settings.

NOTE: You can also press the volume control on your device to quickly change both the ringer and system volume settings.

Changing the Phone Settings

Tap **Start > Settings > Phone.**

You can customize phone settings such as the ring type and ring tone to be used for incoming calls, and the keypad tone to be used when entering phone numbers. You can also protect your phone from unauthorized use with a PIN.

■ To change phone settings from the Phone keypad, tap **Tools > Options > Phone** tab.

From the **Phone** tab, you can change the following items:

❏ Ring type—Tap the **Ring type** list and select the desired option.

❏ Ring tone—Tap the **Ring tone** list and select the sound you want.

> **NOTE:** To use custom .wav, .mid, or .wma files as ring tones, use ActiveSync on your personal computer to copy the file to the /Windows/Rings folder on your device. Then, select the sound from the **Ring tone** list.

❏ Keypad tone—Tap the **Keypad** list, and select the option you want.

❏ Secure your Phone

Securing Your Phone Functions

You can protect your phone functions from unauthorized use by using a Personal Identification Number (PIN) with your SIM card. Your PIN will be assigned to your SIM card by your mobile phone service provider when your SIM card is activated. After your card is activated, you may change your PIN to one that you prefer.

To activate your PIN:

1. From the Phone keypad, tap **Tools > Options > Phone** tab.

2. Select **Require PIN when phone is used.**

NOTE: To change the PIN at any time, tap **Change PIN.**

⚠ **CAUTION:** After three consecutive, incorrect PINs are entered, the SIM card locks to prevent further use. If the letters **PUK** (PIN Unblocking Key) display on your Pocket PC screen, you have locked your SIM card and must contact your mobile phone service provider to unlock it.

NOTE: Emergency phone calls do not require entering a PIN.

Changing Services Settings

You can change service settings from either the **Start** menu or the **Phone keypad** on your iPAQ Pocket PC:

■ From the **Start** menu, tap **Settings** > **Phone** > **Services** tab, tap a service, and then tap **Get Settings.**

■ From the Phone keypad, tap **Tools** > **Options** > **Services** tab, tap a service, and then tap **Get Settings.**

You can configure settings for phone services you subscribe to through your mobile phone service provider. For example, you may want to block certain types of incoming and/or outgoing calls, forward incoming calls to a different phone number based on your situation, be notified of incoming calls when you're already in a phone session, or let others know your identity when making calls.

Viewing Available GSM/GPRS Networks

You can view all GSM/GPRS wireless networks available to you.

1. From the Phone keypad, tap **Tools** > **Options** > **Network** tab.

2. Tap **Find Network.**

Changing Network Settings

■ From the **Start** menu, tap **Settings** > **Phone** > **Network** tab.

■ From the Phone keypad, tap **Tools** > **Options** > **Network** tab. The GSM/GPRS connection your device is currently using will be listed at the top of the screen.

You can view available networks, determine the order in which your phone accesses another network if the current one is unavailable, and specify whether you want to change networks manually or automatically. the current network will remain active until you change it, lose your signal, or change your SIM card.

Manually Selecting a Network

You may want to manually select a different wireless network to use, instead of your device automatically doing this for you. For example, you may want to control costs by knowing when connectivity for your current, selected network is unavailable, and deciding whether you want to select a different network to use.

1. From the Phone keypad, tap **Tools > Options > Network** tab.

2. Under Network selection, select **Manual** and select the network you want to use.

   ◆ When your current network is unavailable, tap **Select Network,** and manually select a different network to use.

Manually Selecting a Frequency Band

To change the frequency band on your Pocket PC:

1. From the **Start** menu, tap **Settings > Phone** icon > **Band.**

2. Tap the circle next to:

   ❑ GSM 850/1900 for North America

   ❑ GSM 900/1800 for regions outside of North America

Select the correct frequency band for the country or region you are traveling through.

3

Using Wireless LAN

Getting Acquainted

Your Pocket PC can connect to an 802.11b Wireless LAN (WLAN) or connect directly to other WLAN-enabled devices. With WLAN, you can:

■ Access the Internet

■ Send and receive e-mail

■ Access corporate network information

■ Use virtual private networks (VPN) for secure remote access

■ Use hot spots for wireless connectivity

Note: Use of dial-up and wireless Internet, e-mail, corporate networks, and other wireless communications, such as Bluetooth-enabled devices, may require separately purchased additional hardware and other compatible equipment, in addition to a standard Wireless LAN (WLAN) infrastructure and a separately purchased service contract. Check with your service provider for availability and coverage in your area. Not all Web content may be available. Some Web content may require installation of additional software.

Learning the Terms

It is recommended that you become familiar with the following terms as you begin to use WLAN technology.

Term	Definition
Wireless Access Point	The access point provides a wireless connection to a network (additional hardware).
Infrastructure	This connection mode uses wireless access points to connect to networks.
Device-to-computer or ad-hoc	This mode does not use access points. It is used in peer-to-peer network communications. All peers must be configured on the same channel.
Hot spots	Public or private areas where there is a wireless access point available.
SSID or Network Name	SSID is the acronym for the service set identifier. This identification number uses a maximum number of 32 characters and is case sensitive.
Encryption (WEP), LEAP or IEEE 802.1X	A set of security services used to protect 802.11 networks from unauthorized access.

Getting Started with Wireless LAN

Powering WLAN On or Off

To use WLAN on your Pocket PC, you need to turn on WLAN and set up your device.

To turn WLAN on or off:

1. From the **Start** menu, tap **iPAQ Wireless > WLAN** icon (💡)**.**

   If WLAN is powered on, the **WLAN** icon on the iPAQ Wireless screen will turn from grayed out to amber to green (amber indicates WLAN is on but not connected, and green indicates WLAN is on) and the Wireless LAN indicator, located to the left of the power button, will blink green to indicate WLAN is on.

   Shortcut: From the **Today** screen, tap the **Connections** icon (📶 or 📶), then tap **Turn Flight Mode On** to turn off WLAN, or **Turn Flight Mode Off** to turn on WLAN.

NOTE: Even though the indicator flashes to indicate WLAN is turned on, it does not necessarily mean a connection has been established with another device or access point.

Battery Saving Tip: Turn WLAN off when you are not using it. When WLAN is on, be sure one of the WLAN power saving modes is selected. Refer to the section on "Changing the Wireless LAN Power Saving Modes" in Chapter 10, "Managing the Battery" for more information.

Automatically Connecting to a Network

1. If one or more networks are present, the **Network Indicator** icon (📶) will appear in the Navigation bar. Tap the network you want to connect to, then tap whether the network connects to the Internet (does not use proxy settings) or Work (uses proxy settings).
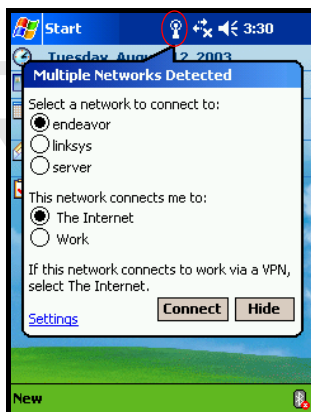
2. If you are prompted for a Network Key (WEP), enter it and tap **Connect.** If you are not sure, contact your network administrator.

Manually Entering New Network Settings

A wireless network can be added either when the network is detected (the **Network Indicator** icon is showing in the Navigation bar) or manually by entering setting information. To manually add a wireless network:

1. Be sure the WLAN is powered on.

2. Tap the **Connections** icon (🔀 or 🔀) > **Settings** > **Advanced** tab > **Network Card** button > **Wireless** tab > **Add New Settings.**

3. Tap the **General** tab and enter a network name (SSID).

Note: If a network was detected in step 2, the SSID is automatically entered and cannot be changed.

4. In the **Connects to:** box, select where your network connects to **(The Internet** or **Work).**

5. If you want to connect to an ad-hoc connection, tap the **This is a device-to-computer (ad-hoc) connection** checkbox.

6. If authentication information is needed, from the **Configure Wireless Network** screen, tap the **Authentication** tab.

Note: To determine whether authentication information is needed, see your network administrator.

7. Select the type of network authentication to use:

   a. To use data encryption, check the **Data encryption (WEP enabled)** checkbox.

   b. To use Shared Key authentication, check the **Network Authentication (Shared mode)** checkbox. Type the network key in the **Network Key:** box.

   c. If a network key is provided by your network automatically, check the **The Key is provided for me automatically** checkbox.

   d. For increased security, check the **Enable network access using IEEE 802.1X** checkbox. You should only check this option if it is supported by your network environment. Ask your network administrator if you are unsure.

Searching for Networks to Access

Networks that you have already configured are preferred
networks and are listed in **Wireless Networks.** You can choose
whether to connect only to preferred networks or to have your
Pocket PC search for and connect to any available network
(preferred or not).

1. Tap the **Connections** icon > **Settings** > **Advanced** tab >
   Network Card button > **Wireless** tab.

2. In the **Networks to access** box, tap the type of network you
   want to connect to **(All Available, Only access points,** or
   Only computer-to-computer).

3. To connect only to networks that have already been
   configured, clear the **Automatically connect to
   non-preferred networks** checkbox.
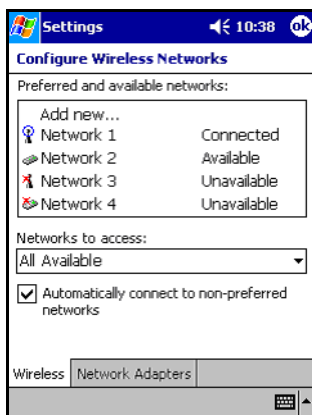
Note: If you check the **Automatically connect to non-preferred
networks** checkbox, your Pocket PC will detect any new
networks and provide you the opportunity to configure them.

Managing Wireless Network Settings

Viewing or Editing a Wireless Network

To view or edit an existing or available wireless network:

1. Be sure the WLAN is powered on.

2. Tap the **Connections** icon > **Settings** > **Advanced** tab > **Network Card** button > **Wireless** tab.

3. In the **Wireless networks** box, tap the desired network name.

4. Edit the existing settings as necessary, then tap **OK** to save the changes.

Deleting a Wireless Network

To delete an existing or available wireless network:

1. Be sure the WLAN is powered on.

2. Tap the **Connections** icon > **Settings** > **Advanced** tab > **Network Card** button > **Wireless** tab.

3. In the **Wireless networks** box, tap and hold the network you want to delete.

4. Tap **Remove Settings.**

Monitoring Signal Strength and Status

To view the signal strength between your Pocket PC and access point WLAN connection:

1. Tap the **Connections** icon (![icon] or ![icon]) in the Navigation bar.

2. When the **Connectivity** box displays, you will be able to view the type of network the Pocket PC is connected to (for example, Work or Internet) and an icon displaying the signal strength.

Note: The **Signal Strength** icon will not be displayed if a connection is not present.
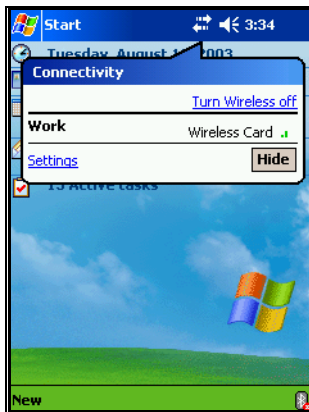
3. To make changes to the connection settings, tap **Settings.**

4. To exit the **Connectivity** box, tap the **Hide** button.

Working with Network Settings

Looking Up an IP Address

To find the IP address the wireless network is using:

1. Be sure the WLAN is powered on.

2. Connect to the appropriate network.

3. Tap the **Connections** icon > **Settings** > **Advanced** tab > **Network Card** button > **Network Adapters** tab.

4. Tap the appropriate adapter to modify the settings. The IP address appears in the **IP Address** box.
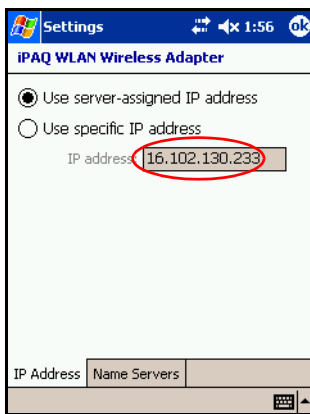
Changing TCP/IP Settings

Note: Most Internet Service Providers (ISPs) and private networks now use dynamically-assigned IP addresses. You will not need to change TCP/IP settings unless your ISP or private network does not use dynamically-assigned IP addresses. If you are not sure, check with your network administrator.

To change TCP/IP Settings:

1. Contact your ISP or network administrator to determine your IP address, subnet mask, and/or default gateway (if needed).

2. Be sure the WLAN is powered on.

3. Tap the **Connections** icon > **Settings** > **Advanced** tab > **Network Card** button > **Network Adapters** tab.

4. In the **My network card connects to...** dropdown box, tap either **The Internet** or **Work.**

Note: If you are connecting to your ISP at home, tap **The Internet.** If you are connecting to a private network such as a corporate network at work, you should tap **Work.**

5. In the **Tap an adapter to modify settings** box, tap **iPAQ WLAN Wireless Adapter.**

6. Tap the **IP Address** tab.

7. Tap **Use specific IP address** and enter the requested information.

8. Tap **OK** to save your settings.

Changing DNS and WINS Settings

Note: Most Internet Service Providers (ISPs) and private networks now use dynamically-assigned IP addresses. You will not need to change DNS and WINS settings unless your ISP or private network does not use dynamically-assigned IP addresses. If you are not sure, check with your network administrator.

Servers that require an assigned IP address may also require a way to map computer names to IP addresses. Your Pocket PC supports two name resolution options:

■ DNS

■ WINS

To change server settings:

1. Contact your ISP or network administrator to determine which name resolution to use, obtain the specific server address, and determine whether alternate addresses are available.

Note: An alternate address may enable you to connect when the primary server is unavailable.

2. Be sure the WLAN is powered on.

3. Tap the **Connections** icon > **Settings** > **Advanced** tab > **Network Card** button > **Network Adapters** tab.

4. In the **My network card connects to...** dropdown box, tap either **The Internet** or **Work.**

Note: If you are connecting to your ISP at home, tap **The Internet.** If you are connecting to a private network such as a corporate network at work, you should tap **Work.** If a proxy server is required, you must select Work. For more information, refer to the section on "Setting Up Proxy Server Settings" on page 3-14.

Revised: 11/26/03

5. In the **Tap an adapter to modify settings** box, tap **iPAQ WLAN Wireless Adapter.**

6. Tap the **Name Servers** tab and enter the requested information.

7. Tap **OK** to save your settings.

Setting Up VPN Server Connections

A VPN connection enables you to securely connect to a private or a corporate network, via the Internet. To set up a VPN server connection:

1. Contact your network administrator for your user name, password, domain name, TCP/IP settings, and host name or IP address of the VPN server.

2. Be sure the WLAN is powered on.

3. From the **Today** screen, tap **Start** > **Settings** > **Connections** tab > **Connections** > **Tasks** tab.

4. Under **My Work Network,** tap **Add a new VPN server connection.**

5. Follow the instructions in the **New Connection** wizard.

Note: For online Help for any screen in the New Connection wizard or while changing settings, tap the **?**.

Changing VPN Server Connections

1. Be sure the WLAN is powered on.

2. From the **Today** screen, tap **Start** > **Settings** > **Connections** tab > **Connections** > **Tasks** tab.

3. Under **My Work Network,** tap **Manage existing connections** > **VPN** tab.

4. Tap the VPN connection you want to change, then tap **Settings.**

5. In the **Name** box, enter a name for the connection (for example, your company's name).

6. In the **Host name/IP** box, enter the VPN server name or IP address.

7. Next to **VPN type,** tap the type of authentication to use with your device **(IPSec/L2TP or PPTP).** If you aren't sure which option to choose, ask your network administrator.

8. Tap **Next.**

9. If you selected **IPSec/L2TP** on the previous screen, tap the type of authentication. If you select **A pre-shared key,** enter the key provided by your network administrator, then tap **Next.**

Note: If you selected **PPTP** in the previous screen, this step is skipped.

10. Enter the user name, password, and domain name provided by your network administrator.

Note: If a domain name was not provided, you may be able to connect without entering one.

11. To change advanced settings, tap the **Advanced** button.

Note: You will not need to change advanced settings unless:

■ The server to which you are connecting does not use dynamically-assigned IP addresses and you need to enter your TCP/IP settings, or

■ You need to change server DNS or WINS settings.

12. Tap the **Finish** button.

Revised: 11/26/03

Starting VPN Server Connections

To start a connection through a VPN server, be sure the WLAN is powered on, then select the VPN network. Your Pocket PC will automatically begin connecting.

Setting Up Proxy Server Settings

If you are connected to your ISP or private network during synchronization, your Pocket PC should download proper proxy settings from your computer. If these settings are not on your computer or need to be changed, you will need to set them up manually. To set up proxy server settings:

1. Contact your ISP or network administrator for the proxy server name, server type, port, type of Socks protocol used, and your user name and password.

2. Be sure the WLAN is powered on.

3. From the **Today** screen, tap **Start** > **Settings** > **Connections** tab > **Connections** > **Tasks** tab.

4. Under **My Work Network, tap Edit my proxy server** > **Proxy Settings** tab.

5. Tap the **This network connects to the Internet** and **This network uses a proxy server to connect to the Internet** checkboxes.

6. In the **Proxy server** box, enter the proxy server name.

7. If you need to change port number or proxy server type settings, tap the **Advanced** button and change the desired settings.

8. Tap **OK.**

Connecting to Hot Spots

Connecting to a hot spot in your local coffee shot or at the airport or other public places usually requires a prepaid contract with the hot spot provider for a minimum of 24 hours or a maximum of 6 months to a year. A prepaid contract can be purchased using your credit card at the hot spot site or by accessing the service provider's Web site.

Once you have purchased this time allotment from the service provider, you will be able to connect to their hot spots using your HP iPAQ Pocket PC h6300 Series.

To connect at the hot spot location:

1. Turn on your WLAN—From the **Start** menu, tap **iPAQ Wireless > WLAN icon.**

2. Launch Internet Explorer—From the **Start** menu, tap **IE.**

3. Internet Explorer will display the network you are connecting to and, depending on the network, you may need to tap **OK.**

4. Enter the Internet address to be accessed in the address bar and tap **GO.**

NOTE: If you experience problems connecting to the hot spot location, you will need to contact the service provider's Help line. Most hot spot locations provide brochures with Help information.

Security

INFORMATION TO BE ADDED.

DRAFT

4

Using Bluetooth

Your HP iPAQ Pocket PC comes with built-in Bluetooth technology that allows short-range connections and provides fast, reliable, and secure wireless communication.

With Bluetooth powered on, you can send information or perform the following tasks wirelessly between two Bluetooth devices, within a range of approximately 10 meters (30 feet):

■ Exchange contacts, calendar items, and tasks

■ Send or exchange business cards

■ Transfer files

■ Synchronize with a computer through an ActiveSync connection

■ Partner with a Bluetooth-enabled cell phone and use the cell phone as a wireless modem

■ Connect to other Bluetooth devices (Virtual COM port)

■ Print to a Bluetooth printer

■ Use a Bluetooth headset

■ Create a personal area network (PAN) to chat, play games, etc.

Note: Use of dial-up and wireless Internet, e-mail, corporate networks, and other wireless communications, such as Bluetooth-enabled devices, may require separately purchased additional hardware and other compatible equipment, in addition to a standard Wireless LAN (WLAN) infrastructure and a separately purchased service contract. Check with your service provider for availability and coverage in your area. Not all Web content may be available. Some Web content may require installation of additional software.

Getting Acquainted with Bluetooth

Before you start using Bluetooth to establish wireless connections, take a few minutes and familiarize yourself with:

■ Terms used in this chapter

■ Supported Services

■ Bluetooth Settings

■ Bluetooth Manager

Note: For more detailed help, refer to the Help files installed on your Pocket PC. From the **Start** menu, tap **Help** > **Bluetooth.**

Understanding Terms

The following Bluetooth terms are used throughout this chapter.

The Term...	Means...
Authentication	Verification of a numeric passkey before a connection or activity can be completed.
Authorization	Approval of a connection or activity before it can be completed.
Bonding (Paired devices)	Create a trusted connection between your device and another. After a bond is created, the two devices become paired. A paired device does not require authentication or authorization.
Device address	Unique electronic address of a Bluetooth device.
Device discovery	Location and recognition of another Bluetooth device.
Device name	Name that a Bluetooth device provides when discovered by another device.
Encryption	Method of protecting data.
Link key	Code used to securely pair devices.
Passkey	Code you enter to authenticate connections or activities requested by other devices.
Personal Information Manager (PIM)	Collection of programs used to manage daily business tasks (for example: Contacts, Calendar, and Tasks).
Profiles	Collection of Bluetooth settings.
Service discovery	Determination of which programs you have in common with other devices.

Supported Services

The functions that Bluetooth supports are called services. You can communicate only with Bluetooth devices that support at least one of the following services:

- BPP (Basic Printer profile)
- DUN (Dial-up Networking profile)
- FAX
- FTP (File Transfer profile)
- GAP (Generic Access profile)
- HCRP (Hard Cable Replacement profile)
- LAP (LAN Access profile)
- OBEX (Object Exchange profile)
- OPP (Object Push profile)
- PAN (Personal Area Network profile)
- SPP (Serial Port profile)
- ActiveSync (Uses SPP to connect to ActiveSync on a computer)

Working with Bluetooth Settings

From the tabs in **Bluetooth Settings,** you can:

- Turn Bluetooth on and off
- Enter or change your Pocket PC Bluetooth name
- Set your connection preferences
- Enable Bluetooth services
- Specify security settings
- Define settings for sharing and connecting

■ Select a user profile

■ View software and port information

Use the arrows to the right to scroll through the tabs.

Opening Bluetooth Settings

1. From the **Today** screen, tap the **Bluetooth** icon.

2. From the pop-up menu, tap **Bluetooth Settings.**
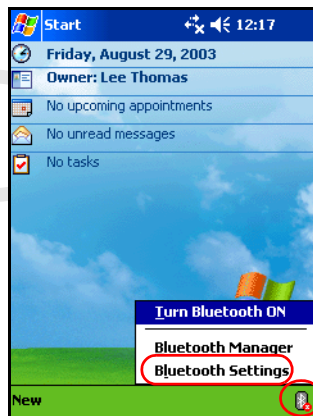
Turning On Bluetooth

To turn on Bluetooth from Bluetooth Settings:

1. From the **Today** screen, tap the **Bluetooth** icon.

2. From the pop-up menu, tap **Bluetooth Settings.**

3. Tap the **Turn on** button to enable.

   Shortcut: From the Bluetooth pop-up menu, tap **Turn Bluetooth ON.**

When Bluetooth is turned on, the **Bluetooth** LED on the top of your Pocket PC blinks blue.

Tap the **Turn off** button to disable. When Bluetooth is turned off, the Bluetooth icon is grayed with a red X, and no incoming or outgoing connections are possible.

> **Battery Saving Tip:** Turn Bluetooth off when you are not using it.

Setting Accessibility Properties

Before your Pocket PC interacts with other Bluetooth devices, you need to enter or change the accessibility properties to define how you want your Pocket PC to interact.

Entering a Device Name

The device name is what other devices see on their screen when they locate your device.

To enter a device name:

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Settings** > **Accessibility** tab.
2. Highlight the name in the **Name** field and enter your new name.
3. Tap **OK** to save your changes.

Allowing Connections

You can determine if all devices or only paired devices can connect to your Pocket PC.

Allowing All Devices to Connect

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Settings** > **Accessibility** tab.
2. Select **Allow other devices to connect,** and **All devices.**
3. Tap **OK.**

⚠ **CAUTION:** This allows any device, even those unknown to you, to connect to your Pocket PC. After they are connected, security settings for specific services apply as specified in the Bluetooth Settings.

Allowing Paired Devices to Connect

Paired devices share and exchange an internally generated Link Key before connecting. The Link Key is derived from a unique Bluetooth device address, a random number, and a user-defined passkey.

This feature allows only devices that you trust to connect to your Pocket PC.

To allow paired devices to connect:

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Settings** > **Accessibility** tab.
2. Select **Allow other devices to connect,** and **Paired devices only.**
3. Tap **OK.**

Allowing Others to Locate Your Device

You can allow other devices to search and locate your Pocket PC.

Note: If another remote device has your device's address, that device may be able to locate and connect to you even though you did not select for your device to be discovered.

To allow others to locate your device:

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Settings** > **Accessibility** tab.
2. Select **Other devices can discover me.**
3. Tap **OK** to save the changes.

Enabling Bluetooth Services

You can select to enable certain services:

■ Automatically when Bluetooth is activated

■ When you permit the connection

■ When a passkey or link key is correctly entered

You can use any of these security options when transferring files, creating a serial port connection, exchanging business card information, configuring dial-up networking, and joining a personal network.

Automatically Enabling Services

You can allow devices to connect **without** any authorization so that any time Bluetooth is on it is ready for connections.

To automatically enable services:

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Settings.**

2. Tap the tab for the service you want to enable: **File Transfer, Information Exchange, Serial Port, Dial-up Networking,** or **Personal Network Server.**

3. Select **Enable service.**

4. Ensure there are no check marks in the **Authorization required** or **Authentication (Passkey) required** checkboxes.

5. Tap **OK.**

Requiring Authorization to Access Services

If you elect to require authorization to access services, you must authorize each connection. Then, your Pocket PC will always ask you if the connection should be permitted.

To require authorization to access services:

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Settings.**

2. Tap the tab for the service you want to enable: **File Transfer, Information Exchange, Serial Port, Dial-up Networking,** or **Personal Network Server.**

3. Select **Authorization required.**

4. Tap **OK.**

Secure Connections using a Passkey or Bond

To establish a secure connection with another device, you can use the passkey feature or an established bond. You can also add data encryption to this type of security.

A passkey is a code you enter to authenticate connections requested by other devices. The passkey must be known and used by both parties or the connection will not be allowed.

To require a passkey or bond:

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Settings.**

2. Tap the tab for the service you want to enable: **File Transfer, Information Exchange, Serial Port, Dial-up Networking,** or **Personal Network Server.**

3. Select **Authentication (Passkey) required.**

4. Select **Encryption Required** if you want to require all data exchanged between the devices to be encrypted.

5. Tap **OK.**

Setting a Shared Folder

You can determine the folder that other devices access when they connect to your Pocket PC.

To select a shared folder:

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Settings.**

2. Tap the **File Transfer** tab.

3. Tap the **Folder** icon and locate a desired file folder.
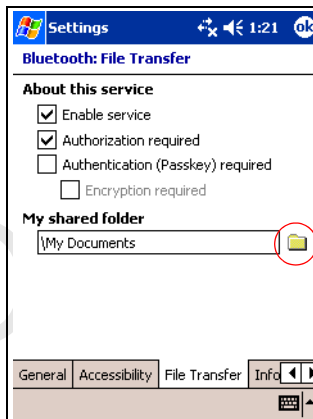
4. Tap **OK.**

Understanding Profiles

Use profiles to quickly enable selected personal settings in multiple environments.

Creating a Profile

To create a profile:

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Settings** > **General** tab > **Profile** icon.
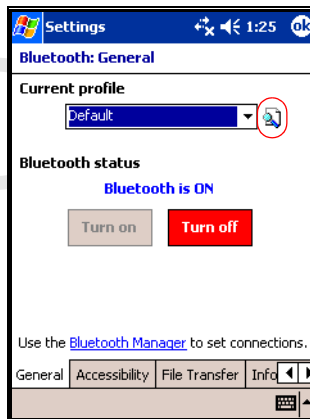
2. Tap the **New** button.

3. Enter a descriptive name.

4. Select an existing profile to use as a template.

5. Tap **OK.**

Activating a Profile

When a new profile is created, you will need to activate it.

To activate a profile after creating it:

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Settings.**

2. From the **General** tab, select it from the **Current Profile** down arrow list.

3. Tap **OK.**

Saving Bluetooth Configuration Settings in a Profile

To save the Pocket PC Bluetooth configuration settings to any profile:

Note: Bluetooth must be turned **on** for changes to be saved.

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Settings.**

2. From the **General** tab, tap the **Profile** icon.

3. Select a profile from the **Add/Delete Profiles** list or create a new one.

4. Tap **OK.**

5. Set up your Pocket PC. You should specify the desired connection, sharing, and security settings in all Bluetooth **Settings** tabs.

6. Tap **OK** to close the Bluetooth **Settings.** The changes are automatically saved.

Renaming a Profile

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Settings.**

2. From the **General** tab, tap the **Profile** icon.

3. Select a profile from the **Add/Delete Profiles** list.

4. Tap the **Rename** button.

5. Enter a new descriptive name.

6. Tap **Enter.**

7. Tap **OK.**

Deleting a Profile

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Settings.**

2. From the **General** tab, tap the **Profile** icon.

3. Select a profile from the **Add/Delete Profiles** list.

4. Tap the **Delete** button.

5. Tap **Yes** to confirm you want to delete the profile.

6. Tap **OK.**

Working with Bluetooth Manager

Use Bluetooth Manager to:

■ Establish connections

■ Display shortcuts

■ Exchange business cards

■ Control the on-screen display

Opening Bluetooth Manager

From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Manager.**

The first screen that displays is **My Shortcuts.**

Note: Opening Bluetooth Manager automatically turns on Bluetooth.

Locating and Selecting a Device

Several tasks require you to locate a device and connect to it. When you are required to locate a device, the Bluetooth browser assists by searching for your desired function that supports other Bluetooth devices.

Pairing Devices

You can pair devices so they must exchange a computer generated security key prior to each connection. The security key is also called a "Link Key." It is generated from a unique Bluetooth device address, a random number, and a user-defined password.

After two devices are paired, they have a trusted relationship with each other that can be verified using a link key. No additional input is needed from the user. Therefore, connections and activities can be performed between the paired devices without constant authorization from the user.

To pair devices:

1. From the **Today** screen, tap **Start** > **Bluetooth Manager.**

2. Tap **Tools > Paired devices.**

3. Tap **Add.**

4. Tap the **Lookup** icon.

5. Tap a device.

6. Enter a password in the **Passkey** field.

7. Tap **OK.**

8. Enter the same passkey into the other device.

Note: Some devices, such as mobile phones, need to be placed in a mode to accept a bond from another device. Refer to that device's user instructions for more information.

Unpairing Devices

You can remove a paired relationship between devices.

1. From the **Today** screen, tap **Start** > **Bluetooth Manager.**

2. Tap **Tools** > **Paired devices.**

3. Tap a device name.

4. Tap **Remove.**

5. Tap **Yes** to remove the pairing.

Connecting to Other Devices

Use ActiveSync, serial and dial-up connections to communicate with other Bluetooth devices. Establish a partnership with a cell phone and set up the Bluetooth services it offers.

Identifying the Communications Port

You can identify the virtual COM ports used to create a **serial port** connection. You may need to identify these COM ports for activities such as printing.

Use the inbound COM port when other devices initiate a serial connection. Use the outbound COM port when you initiate a serial connection to another device.

To identify the communications port:

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Settings.**

2. Tab over to the **Serial Port** tab and tap it.

3. Note the names of your inbound and outbound COM ports.

4. Tap **OK.**

Establishing an ActiveSync Connection

You can set up an ActiveSync partnership with a Bluetooth-enabled computer by first setting up your computer, then setting up your Pocket PC.

If you own an HP Evo Notebook or Desktop computer, you can use the Bluetooth Multiport Module preinstalled on that computer with your Pocket PC.

If you are using other Bluetooth modules or cards on your computer, refer to the Bluetooth Configuration Manager or Settings for similar setup procedures, then skip to "Setting Up an ActiveSync Partnership on Your Pocket PC."

Using the HP Bluetooth Multiport Module for Evo Notebooks and Desktops

1. Remove your Pocket PC from the USB Synchronization Cradle.

2. Turn on Bluetooth on both the Pocket PC and the Evo computer.

3. Right-click the Bluetooth icon in the system tray on your computer, then click **Advanced Configuration.**

4. Select the **Client Applications** tab, then write down the COM port number listed next to **Bluetooth Serial Port.**
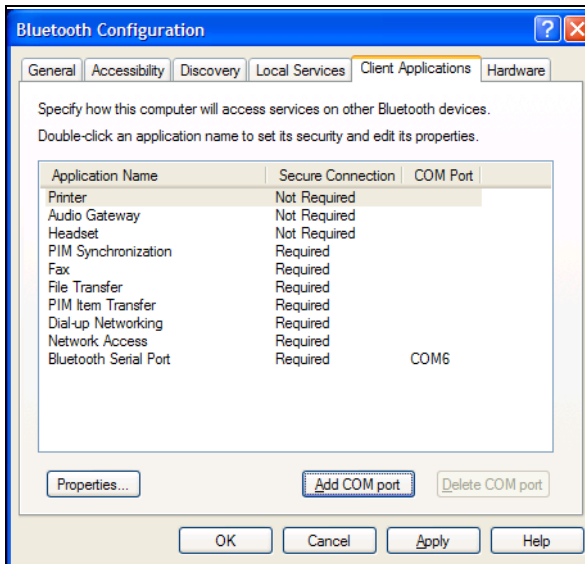
5. Select **Bluetooth Serial Port,** then click on the **Delete COM Port** button.

6. Click on the **Local Services** tab, then click **Add Serial Service.**

7. Type a name for the serial service, then select **Startup Automatically.**

8. Remove the checkmark from the **Secure Connection** box, then select the COM port that is the same as the one you wrote down earlier. Click **Apply** > **OK** > **OK.**
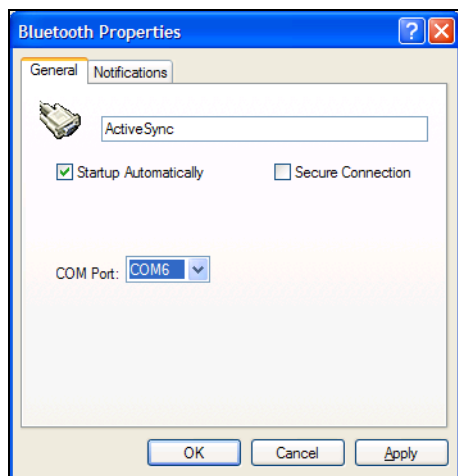
9. Open ActiveSync on your computer, then click **File > Connection Settings.**

10. Check the **Allow Serial Cable or Infrared Connection to this COM Port** box.

11. Select the COM port that is the same as the one you wrote down earlier, then click **OK.**

Setting Up an ActiveSync Partnership on Your Pocket PC

To establish an ActiveSync connection:

1. From the **Today** screen, tap **Bluetooth** icon > **Bluetooth Manager.**

2. Tap **New > ActiveSync via Bluetooth** > **Next.**
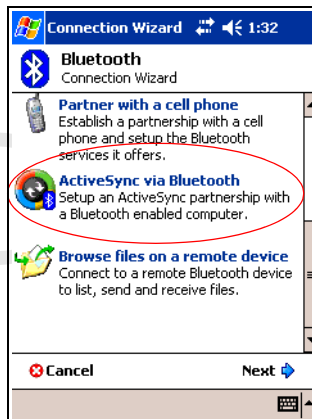
3. Follow the connection wizard instructions.

Note: Be sure the ActiveSync COM port setting on your computer is the same as the COM port setting used for Bluetooth on your computer.

4. From the **Bluetooth Browser** screen, select the computer you want to synchronize with. Tap **Next.**

5. Under **Serial Port Selection,** select the name of the serial port for the computer selected above, then tap **Next** > **Finish.**

Note: If you are setting up the ActiveSync partnership with an Evo Notebook or Desktop computer, select the name you typed in Step 7 of "Using the HP Bluetooth Multiport Module for Evo Notebooks and Desktops."

Establishing a Serial Connection

Use the wireless Bluetooth serial port connection just as you would a physical serial cable connection. You must configure the application that will use the connection to the correct serial port.

To establish a serial connection:

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Manager.**

2. Tap **New** > **Explore a Bluetooth device** > **Next.**

3. Follow the connection wizard instructions.

Dial-Up Networking

When you use dial-up networking (DUN), the remote device providing the dial-up networking service and the remote computer to which you are connecting must both have telephone access.

Devices that can provide dial-up networking include Bluetooth:

■ Mobile phones

■ Desktop computers

■ Modems

Using Dial-Up Networking

To connect to a device that provides modem access:

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Manager.**

2. Tap **New** > **Connect to the Internet** > **Next.**

3. Follow the connection wizard instructions.

Note: After you create the dial-up networking shortcut with a device, tap and hold the shortcut icon in the **My Shortcuts** tab of the **Bluetooth Manager,** and tap **Connect.**

---

4. Tap **New Connection.**

5. Tap **OK.**

6. Enter a name in the **Connection Name** field.

7. Enter a phone number. You must sometimes enter the country code and area code, depending on where you are calling.

8. Tap **OK** to begin dialing.

Note: Some mobile phones require a bond between devices (see the section "Pairing Devices").

To connect to the Internet and use Pocket Internet Explorer, you must first connect to a Bluetooth phone from Bluetooth Manager. To make this connection the default dial-up connection for Pocket Internet Explorer:

1. From the **Today** screen, **tap Start** > **Settings** > **Connections** tab.

2. Tap the **Connections** icon > **Advanced** tab.

3. Tap **Select Networks.**

4. Enable **Bluetooth Settings** from the dropdown list.

Note: The Bluetooth modem connection you created can be viewed only from the Bluetooth Settings on the Connections Task page.

Joining a Personal Area Network

Connect two or more Bluetooth devices to share files, collaborate or play multiplayer games.

To establish a Personal Area Network connection:

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Manager.**

2. Tap **New** > **Join a personal network** > **Next.**

3. Follow the Connection Wizard instructions.

Establishing a Cell Phone Partnership

You can establish a partnership with a cell phone, then set up the Bluetooth services it offers.

To establish a cell phone partnership:

1. From the **Today** screen, tap **Start** > **Bluetooth Manager.**

2. Tap **New** > **Connect to Internet via phone.**

3. Follow the connection wizard instructions.

Working with Files

You can exchange information with a connected device and use the Bluetooth File Explorer to:

■ Navigate through the directories.

■ View files and folders.

■ Create new folders.

■ Send and receive files from a remote device.

■ Delete and rename files on a remote device.

Creating a File Transfer Connection

1. From the **Today** screen, tap **Start** > **Bluetooth Manager.**

2. Tap **New** > **Browse files on a remote device** > **Next.**

3. Follow the connection wizard instructions.

Sending Files

1. Tap and hold a file transfer shortcut icon, and tap **Connect.**

2. Tap **File** > **Send a File…**

3. Locate a file to send.

4. Tap the file to send it.

5. Tap **OK.**

Creating a Folder on a Remote Device

1. Tap and hold a file transfer shortcut icon, and tap **Connect.**

2. Navigate to the location you want for the new folder.

3. Tap **File** > **Create a folder.**

4. Enter a folder name while **New Folder** is selected, and tap **Enter.**

5. Tap **OK.**

Receiving a File from a Remote Device

1. Tap and hold a file transfer shortcut icon, and tap **Connect.**

2. Navigate to the file location on the remote device.

3. Tap the file.

4. Tap **File** > **Get.**

5. Tap **OK.**

Deleting a File from a Remote Device

1. Tap and hold a file transfer shortcut icon, and tap **Connect.**

2. Navigate to the file location on the remote device.

3. Tap the file.

4. Tap **File** > **Delete.**

5. Tap **Yes** to verify you want to delete the selected file.

6. Tap **OK.**

Using Business Card Exchange

Using the business card exchange, you can:

■ Set up your own business card

■ Send a business card to one or more devices

■ Request a business card from one or more devices

■ Exchange business cards with one or more devices

You must establish a default contact name to send or exchange business card information.

You must first specify your default business card on the **Information Exchange** tab in **Bluetooth Settings.** This name becomes the default for business card transfers.

Setting Up Your Business Card Information

To set up your business card information:

1. Create a contact in the **Contacts** program that includes your name, title, and other relevant information.

2. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Settings.**

3. Tap the **Information Exchange** tab.

4. Tap the **My business card (vCard)** icon.
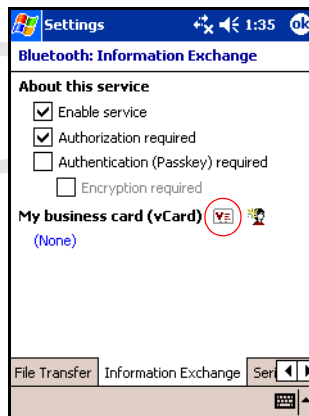
5. Choose your contact from the list.

6. Tap **OK.**

Sending Business Cards

1. From the **Today** screen, tap the **Bluetooth** icon **> Bluetooth Manager.**

2. Tap **Tools > Business Card Exchange.**

3. Tap the **Send** icon.

4. Tap the device where you want to send your business card.

5. Tap **OK.**

Requesting Business Cards

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Manager.**

2. Tap **Tools** > **Business Card Exchange**.

3. Tap the **Request** icon.

4. Tap the device from which you want to request a business card.

5. Tap **OK.**

Exchanging Business Cards

You can exchange business card information with another device. If available, the device's information will be sent directly into your **Contacts** list in **Pocket Outlook.**

To exchange business cards:

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Manager.**
2. Tap **Tools** > **Business Card Exchange.**
3. Tap the **Exchange** icon.
4. Tap the device with which you want to exchange your business card.
5. Tap **OK.**

Opening a Connection

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Manager.**
2. Tap and hold the icon or list name, and tap **Connect.**
3. Tap **OK.**

NOTE: Bluetooth can be set to automatically open a connection by setting your connection preferences in the Connectivity Solution application. For more information, refer to Chapter 1, "Using a Connectivity Solution" for more information.

Viewing Connection Status

You can view:

■ Connection's name

■ Device's name

- Connection status

- Length of connection

- Signal strength

To view the connection status:

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Manager.**

2. Tap and hold an active connection icon or list name, and tap **Status.**

3. Tap **OK.**

Closing a Connection

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Manager.**

2. Tap and hold the connection icon or list name.

3. Tap **Disconnect** from the menu.

4. Tap **OK.**

Viewing Connection Information

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Manager.**

2. Tap and hold the connection icon or list name.

3. Tap **Properties** from the menu.

4. Tap **OK.**

Working with Connections

You can create shortcuts to open and view status information for all connections.

Creating a Shortcut

Creating a shortcut to one or more services does not establish a connection. It only places a shortcut to that service on the **Shortcut** tab of the **Bluetooth Manager.**

To create a shortcut:

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Manager.**

2. Tap **New,** then a type of service, and tap **Next.**

3. Follow the connection wizard instructions.

Note: Paired devices are designated by a checkmark.

Deleting a Shortcut

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Manager.**

2. Tap and hold the connection icon or list name to be deleted.

3. Tap **Delete** from the menu.

4. Tap **Yes** to verify the selected shortcut should be deleted.

5. Tap **OK.**

Viewing Shortcuts

You can view shortcuts as icons or in a list format.

1. From the **Today** screen, tap the **Bluetooth** icon > **Bluetooth Manager.**

2. Tap **View.**

3. Tap **List** or **Icon.**

4. Tap **OK.**

DRAFT

5

Making Your Connections

NOTE TO REVIEWERS: This section is incomplete. Waiting for a working product to work with in order to verify these steps. (Vincent).

The iPAQ Pocket PC h6300 Series offers you the most comprehensive set of wireless capabilities to keep you connected in or out of the office. With GSM/GPRS, WLAN, and Bluetooth integrated into a single device, you have broad coverage of high speed access to the Internet, and to business and personal information.

You can use the following options to get connected:

■ Synchronize your Pocket PC with your personal computer to connect to your company network

■ Use the WLAN technology integrated on your Pocket PC to remotely connect to your company's Virtual Private Network (VPN), your mobile Internet Service Provider (ISP), or connect to hot spot links in public places

■ Make a wireless GSM/GPRS connection to place a phone call or send or receive e-mail and text or SMS/MMS messages

■ Transfer information between Bluetooth enabled devices

■ Transfer information between two Infrared (IrDA) enabled ports

NOTE: Use of dial-up and wireless Internet, e-mail, corporate networks, and other wireless communications, such as Bluetooth-enabled devices, may require separately purchased additional hardware and other compatible equipment, in addition to a separately purchased service contract. Check with your service provider for availability and coverage in your area. Not all Web content may be available. Some Web content may require installation of additional software.

NOTE: For more information on this subject, refer to the Help file on your Pocket PC by tapping **Start** > **Help** > **Connections.**

Using GSM/GPRS Connections

Global System for Mobile Communications (GSM) technology is used to make mobile phone calls and provide data service with roaming capabilities throughout the world.

General Packet Radio Service (GPRS) technology provides a high speed data transfer and is typically used for Web browsing and to send and receive small bursts of data such as e-mail and MMS messages.

GSM/GPRS technology is integrated into your HP iPAQ Pocket PC. To send or receive data over a GSM/GPRS network, you must have an account with a mobile telephone service provider that supports GSM/GPRS data services and an activated SIM card. The service provider must enable the GPRS data features on your account to activate it.

For a list of GSM/GPRS service providers, go to the following Web site: www.gsmworld.com or to your GSM/GPRS service provider's Web site.

Creating a GSM Connection

The three steps required to create a cellular GSM connection are:

1. Acquiring the following information:

   ❏ Phone number

   ❏ Activated SIM card inserted into your iPAQ Pocket PC

2. Configuring your GSM connection.

3. Dialing the GSM connection.

You can use the cellular GSM connection to:

   ❏ Connect to a mobile telephone network for sending and receiving mobile telephone calls

   ❏ Send and receive e-mail messages using Inbox. First, you must set up the Inbox to communicate with the e-mail server.

   ❏ Send and receive SMS/MMS messages

   ❏ Synchronize data with a computer on the network.

Configuring your GSM connection on your Pocket PC

1. From the **Start** menu, tap **Settings > Connections** tab > **Connections** icon.

2. In the drop-down list, select **Add a new modem connection** from either ISP or My Work Network.

3. Enter a descriptive name for the connection (for example, iPAQ dialup)**.**

4. In the **Select a modem** list, select **Cellular Line.**

5. Tap **Next.**

6. You should not need to change any settings in Advanced. Most ISPs and Networks use a dynamically assigned address. If the ISP or Network you are using does not use a dynamically assigned address, enter the connection number that was give to you by your ISP or Network Administrator and tap **Next.**

7. Enter your User name, Password, and Domain if provided by your ISP or Network Administrator.

8. Tap **Finish.**

Dialing a GSM Connection

1. From the **Start** menu, tap **Settings > Connections** tab > **Connections** icon.

2. In the drop-down list, select the service you want to use.

3. Tap **Connect.**

Closing a GSM Connection

1. First, close Inbox or Pocket Internet Explorer if they are open.

2. Then tap the Data Connections icon in the Navigation bar of the Today screen, and tap **End.**

Creating a GPRS Connection

A GPRS connection is used as a high-speed connection for data transfer or to access the Internet.

The four steps required to create a GPRS connection are:

1. Subscribing with a GSM service provider that supports GPRS.

   ✎ The service provider must enable the GPRS features on your account

2. Configuring your GPRS connection.

3. Connecting to the GPRS network.

4. Authenticating GPRS (if required)

Configuring your GPRS connection on your Pocket PC

1. From the **Start** menu, tap **Settings > Connections** tab > **Connections** icon.

2. Select **Add a new modem connection** from either the ISP section or My Work Network section.

3. Enter a descriptive name for the connection (for example, Phone Dialup or anything you want).

4. In the **Select a modem** list, tap **Cellular Line (GPRS).**

5. Tap **Next.**

6. Under **Access Point Name,** enter the APN provided by your GPRS service provider.

7. Tap **Next.**

8. Enter your User name, Password and, if provided by your ISP or network administrator, your Domain name.

   You should not need to change any settings in Advanced. Most ISPs now use a dynamically assigned address. If your GPRS service provider specified the IP addresses for your DNS servers, tap **Advanced,** then tap the **Name Servers** tab. Select **Use specific server addresses,** and then enter the DNS addresses provided by your GPRS service provider. Tap **OK.**

9. Tap **Finish.**

Connecting to the GPRS Network

1. From the **Start** menu, tap **Settings > System** tab > **GPRS.**

2. To automatically connect and/or disconnect from the network, select the appropriate options under **GPRS Settings.**

Your service provider can provide additional information on connecting to the Internet using GPRS.

Authenticating GPRS

Ask your GPRS service provider to determine the authentication method used by your network. There are three methods available:

❏ None—No authentication required

❏ PAP—Password Authentication Protocol

❏ CHAP—Challenge Handshake Authentication Protocol

Setting Up a WAP Browser

Wireless application protocol (WAP) is a protocol for the way in which wireless technology is used for Internet access. A WAP browser can accommodate the low memory limitations of handheld devices and the low-bandwidth limitations of a wireless-handheld connection.

Before you can use the WAP browser, you must set it up.

1. From the **Start** menu, tap **Settings > Connections** tab > **Connections.**

2. Under My **Work Network,** select **Manage Existing Connections > Proxy Settings** tab**.**

3. Place a checkmark in the two boxes on the **My Work Network screen** and **tap Advanced.**

4. Next to **WAP** enter **Server** and **Port** information supplied by your Mobile Service Provider, and tap **OK.**

Viewing WAP Pages

Once you have set up your WAP browser, you can view WAP pages by starting a GSM or GPRS connection and using Pocket Internet Explorer. When you enter a Web site using Pocket Internet Explorer, remember WAP addresses are prefixed by "wsp" not "http" (example: wsp:\\www.xxx.com).

Connecting to a Private Network

1. Before you start, be sure to have your server phone number, user name, and password. This information can be obtained from your network administrator.

2. Tap **Start** > **Settings** > **Connections** tab > **Connections** icon.

3. In **My Work Network,** follow the instructions for each type of connection. For more information on Bluetooth connections, see Chapter XI, "Using Bluetooth." For more information on Wireless LAN connections, see "Setting Up VPN Server Connections" or "Setting Up Proxy Server Settings" in Chapter XII, "Using Wireless LAN."

Connecting with a Default Setting

NEED INFORMATION ON THIS.

Connecting to an E-mail Server

You can send and receive e-mail messages by connecting directly to an e-mail server using GSM/GPRS or Wireless LAN. If you have already created a connection to a network or an ISP, you must still set up an e-mail account in Inbox.

NOTE: The network or ISP connection must use a POP3 or IMAP4 e-mail server and an SMTP gateway.

To set up an e-mail account on your Pocket PC:

1. From the **Start** menu, tap **Inbox > Accounts > New Account** and enter your e-mail address.

2. Tap **Next.**

3. Enter your password and tap **Next.**

4. Check that your Account Type and Name shows a POP3 or IMAP4 connection and tap **Next.**

5. Complete the required requests on the screen and, when finished, tap **Finish.**

To connect to an e-mail account, from the **Start** menu, tap **Inbox > Accounts > Connect.**

Entering an Internet Address

With Pocket Internet Explorer and a connection to the Internet, you can view Web sites on your Pocket PC by typing an Internet address in the **Address** bar.

NOTE: Web sites that use HTML 4.0, DHTML, animated GIF images, and Java applets may not work correctly in Pocket Internet Explorer without additional software.

To enter an Internet address on your Pocket PC:

1. From the **Start** menu, tap **Internet Explorer** > **Address Bar.**

NOTE: If the Address Bar is not visible, tap the **View** tab > **Address Bar** to turn it on.

2. Enter the Internet address in the **Address** bar.

3. Tap the **Go** icon.

Using a Favorites List

With Pocket Internet Explorer and a connection to the Internet, you can view Web sites on your Pocket PC by selecting one from your **Favorites** list.

To select a Web site from your **Favorites** list:

1. From the **Start** menu, tap **Internet Explorer.**

2. Tap the **Favorites** icon and the Web site you want to view.

6

Using the Camera

Use the HP Image Capture software to take digital photographs
with the built-in camera on your Pocket PC. You can snap digital
photos, store them on your Pocket PC or transfer the photos to
your personal computer using the HP Image Transfer program,
and you can view, print, add audio to photographs, and create
slideshows using HP Image Zone for Pocket PC.

The camera lens for your camera is located on the top, right
corner on the back of your Pocket PC.

NOTE TO REVIEWERS: The camera section is waiting on
major changes which are scheduled to arrive this week (Denny).
Therefore, this section is incomplete.

Taking a Picture

1. Press the Camera button on the right side of the Pocket
   PC to open the **HP Image Capture** application.

   NOTE: Another way to open the camera application is from
   the **Start** menu, tap **Programs > HP Image Capture.**

2. After the application opens on your screen, tap **Select
   Mode** and select your preferred mode.

3. Focus the camera lens on the subject to be photographed.

4. Tap **Preview S** to view the image on the Pocket PC
   screen before capturing it on your camera.

5. If the image is correct, tap **Capture** to take the picture.

Adjusting your Settings

Saving a Picture

NONE OF THIS INFORMATION IS AVAILABLE.

Adjusting Your Settings

Editing a Picture

Using HP Image Transfer

Waiting for Working Program.

Using HP Image Zone

HP Image Zone software is included on your Companion CD. You must download it to your personal computer before it can be used.

Use HP Image Zone to:

■ View pictures stored on your Pocket PC or on a storage card

■ Record sounds with pictures

■ View a slideshow

■ Print pictures

Viewing Pictures

1. From the **Start** menu, tap **Programs** > **HP Image Zone.**

NOTE: The viewer opens in Browse mode by default. Browse mode displays a thumbnail view of the pictures in the current folder.

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2. Tap a thumbnail to select the picture. A preview of the picture and information about it will be displayed.

To view images in a different folder:

1. Tap **File** > **Change Folder.**
2. Select the desired folder.
3. Tap **OK.**

Viewing a Picture Full-Screen

To view a picture full-screen, and to be able to zoom in or out:

1. Select the picture by tapping on its thumbnail.
2. Tap **View > Image,** or tap on the preview window.
3. Zoom in or out using the toolbar buttons. If the picture is too large to fit on the screen, you can display other parts of the picture by dragging the stylus on the screen, or by using the Navigation Buttons.

Recording Sound With a Picture

You can record sound for each picture. When the picture is displayed, the associated sound is played. Pictures with sound have a speaker icon in their thumbnails.

To add sound to a picture:

1. Select the picture by tapping on its thumbnail.
2. Tap the **Cassette** icon on the menu bar.
3. Tap the **Record** button on the **Recording** toolbar.

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4. Speak into the microphone or record the sound.

5. Tap the **Stop** button on the **Recording** toolbar.

To change audio options:

1. Tap **File** > **Options** > **Audio** tab.

2. Select your audio options.

3. Tap **OK.**

Viewing a Slideshow

You can view a slideshow of the images in the current folder. To start the slideshow, tap **View** > **Slideshow.**

During the slideshow, tap anywhere on the screen to display the on-screen controls which you can use to move forward or backward through the slides, or to end the slideshow. You can also use the Navigation Buttons to move forward or backward through the slides.

You can control display options such as:

■ Sequence

■ Delay

■ Rotation

■ Transition Effect

To change slideshow settings:

1. Tap **File** > **Options** > **Slideshow** tab.

2. Select the settings and effects you want to use in your slideshow.

3. Tap **OK.**

Printing Pictures

You can print pictures from HP Image Zone if HP Mobile Printing has been installed from the Companion CD, or you can use Bluetooth to print your images if you have access to a Bluetooth-enabled printer.

To print a picture:

1. Select the picture to be printed by tapping on its thumbnail.

2. Tap **File > Print.**

NOTE: For more information on using HP Image Zone, tap **Start** > **Programs** > **HP Image Zone,** then tap 🖼 > **Help.**

E-mailing a Picture

THIS INFORMATION WILL BE PROVIDED AT A LATER DATE.

Using MMS to E-mail a Picture

THIS INFORMATION WILL BE PROVIDED AT A LATER DATE.

To locate more information about the Camera included on your Pocket PC, go to the following HP Web site: www.hp.com/products/pocketpc/options

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7

Expansion Cards

You can expand the memory and connectivity of your Pocket PC by using SD (Secure Digital), SDIO (Secure Digital IO), or MMC (Multimedia Memory) expansion cards. Use these optional expansion cards for:

■ Adding functionality such as the HP PhotoSmart Camera, Bar Code Scanners, etc.

■ Expanding the memory of your Pocket PC for data storage

■ Viewing the content of memory cards (SD/MMC)

NOTE: Expansion cards must be purchased separately and are not included with your Pocket PC.

To locate information about expansion cards, go to the following HP Web site: www.hp.com/products/pocketpc/options

Charging with the Desktop Cradle and AC Adapter

Use the Desktop Cradle to charge the HP iPAQ Pocket PC.

NOTE: It is not necessary to synchronize your Pocket PC before charging it.

To charge the Pocket PC using the desktop cradle:

1. Plug the AC Adapter into an electrical outlet ❶ and connect the other end of the AC Adapter to the AC connector on the desktop cradle ❷.

2. Slide the bottom of your Pocket PC into the cradle ❸ and push firmly to seat it.

⚠ **CAUTION:** To avoid damaging your Pocket PC or the cradle, check to be sure the Pocket PC and cradle connectors are properly aligned before pushing the Pocket PC into the cradle.

NOTE: The amber charge light on the Power button blinks while the battery is recharging and turns solid amber (nonblinking) when the battery is fully charged.

Removing a Secure Digital (SD) Expansion Card

⚠ **CAUTION:** SD cards must first be unlocked before removal.

To remove a Secure Digital (SD) expansion card from the expansion slot on the Pocket PC:

1. Close all applications that are using the expansion card.

2. Remove a card from the Secure Digital expansion slot by **slightly pushing down on the card ❶** to unlock it.
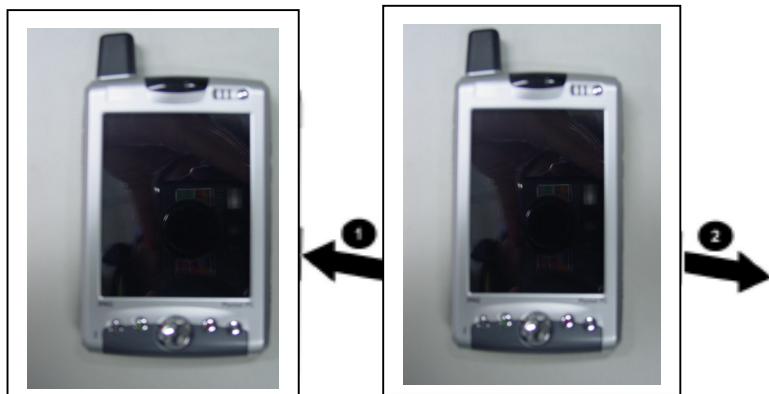
3. When the card disengages and pops out ❷, pull it from the expansion slot.

Viewing the Content of Memory Cards

Use File Explorer to view the files that are located on your optional Secure Digital card.

1. From the **Start** menu, tap **Programs** > **File Explorer.**

2. Tap the root directory of **My Device,** and select the Storage Card folder to see a list of files and folders.

8

Using E-mail

Information on using e-mail including Outlook, Blackberry and other e-mail services will be included in the next draft.

Using Inbox

You can receive Internet e-mail messages and SMS messages in Inbox. Internet e-mail messages are sent by using an address you receive from your Internet service provider (ISP) or your employer. SMS messages are sent and received through your wireless phone service provider by using a phone number as the message address.

You can send and receive e-mail by synchronizing with your PC, or by connecting to a Post Office Protocol 3 (POP3) or Internet Message Access Protocol 4 (IMAP4) mail server. You need to set up an e-mail account for each method that you use except for Microsoft ActiveSync, which is set up by default. The ActiveSync folder on your device is used to store messages that you send and receive through synchronization with a PC. Account names appear as folders in the folder list (located on the left, under the navigation bar) in the Inbox message list.

With synchronization, messages are synchronized between the device Inbox and the PC Inbox by using ActiveSync and Microsoft Exchange or Microsoft Outlook.

When connecting to a POP3 or IMAP4 server, you use a modem to connect to your Internet service provider (ISP), or a modem or Ethernet card to connect to the local area network that your e-mail server is connected to. You can also use your phone to connect by using a cellular line connection.

Using Folders

Each e-mail account and SMS account has its own folder hierarchy with five default folders: Inbox, Outbox, Deleted Items, Drafts, and Sent Items. The messages you receive and send through the mail account are stored in these folders. You can also create additional folders within each hierarchy. The Deleted Items folder contains messages that have been deleted on the device. The behavior of the Deleted Items and Sent Items folders depends on the Inbox options you have chosen.

The behavior of the folders you create depends on whether you are using ActiveSync, SMS, POP3, or IMAP4.

If you use ActiveSync, e-mail messages in the Inbox folder in Outlook will automatically be synchronized with your device. You can select to synchronize additional folders by designating them for ActiveSync. The folders you create and the messages you move will then be mirrored on the server. For example, if you move two messages from the Inbox folder to a folder named Family, and you have designated Family for synchronization, the server creates a copy of the Family folder and copies the messages into that folder. You can then read the messages while away from your PC.

If you use SMS, messages are stored in the Inbox folder.

If you use POP3 and you move e-mail messages to a folder you created, the link is broken between the messages on the device and their copies on the mail server. The next time you connect, the mail server will see that the messages are missing from the device Inbox and delete them from the server. This prevents you from having duplicate copies of a message, but it also means that you will no longer have access to messages that you move to folders created from anywhere except the device.

If you use IMAP4, the folders you create and the e-mail messages you move are mirrored on the server. Therefore, messages are available to you anytime you connect to your mail server, whether it is from your device or PC. This synchronization of folders occurs whenever you connect to your mail server, create new folders, or rename/delete folders when connected.

For all accounts except ActiveSync, you can access folder options by tapping **Tools > Manage Folders.**

Setting Up an Account

To set up an account:

❏ To set up a POP3 or IMAP4 e-mail account, tap **Accounts > New Account.** Follow the instructions in the New Account Wizard.

❏ To set up an SMS account, tap **Accounts > Accounts,** and then tap **SMS.** Follow the instructions on the screen.

To change options for an account:

1. Tap **Accounts > Accounts.**

2. Tap the name of the account, and follow the instructions on the screen.

To delete an account:

1. Tap **Accounts > Accounts.**

2. Tap and hold the name of the account, and then tap **Delete.**

NOTE: You can set up several e-mail accounts including your ActiveSync account, but you can set up only one SMS account.

IMPORTANT: You cannot add a new account while connected. Tap **Accounts > Disconnect** to disconnect.

NOTE: You cannot delete your SMS account.

9

Using ActiveSync

You can use Microsoft ActiveSync to:

■ Synchronize information between your HP iPAQ Pocket PC h6300 Series and up to two computers or one server so that you have the latest information in all locations.

■ Change synchronization settings and the synchronization schedule.

■ Copy files between your unit and computer.

■ Install applications on your Pocket PC.

■ Back up and restore unit information.

■ Synchronize links.

■ Send and receive e-mail.

■ Request meetings.

$\triangle$ **CAUTION:** For synchronization to work properly, install Microsoft ActiveSync on your computer **before** you connect your Pocket PC to your computer.

Connecting to a Computer

Connect your Pocket PC to your computer using Microsoft ActiveSync and the desktop cradle, a wireless infrared connection, a Wireless LAN connection or Bluetooth. For more information on using ActiveSync with Bluetooth, refer to Chapter 4, "Using Bluetooth."

Note: When using Microsoft ActiveSync to synchronize e-mail on your computer with your Pocket PC, you must have Microsoft Outlook 98 or later installed on your personal computer. If you do not have Outlook, install the Microsoft Outlook 2002 software from the Companion CD. Microsoft Outlook Express will **not** work with the iPAQ Pocket PC and ActiveSync.

Installing ActiveSync

△ **CAUTION:** For synchronization to work properly, install Microsoft ActiveSync on your computer **before** you connect your Pocket PC to your personal computer.

To install Microsoft ActiveSync on your personal computer:

1. Insert the Companion CD into the CD tray or slot on your computer.

2. When the CD displays on your computer screen, click on the **Start Here** tab, then select the link to install **Microsoft ActiveSync.**

NOTE: If the Companion CD does not automatically start on your personal computer, you may need to manually start it by clicking on the Microsoft Windows **Start** menu in the lower right corner of the monitor screen, and then clicking on **Run.** In the Run dialog box, navigate to your CD drive and double-click on **SETUP.EXE** to start the Companion CD.

3. Follow the instructions in the installation wizard. For more help, click the ActiveSync **Help** button during installation.

4. After installing ActiveSync on your computer, connect the Pocket PC to the computer using the desktop cradle.

Synchronizing with Your Computer

After you have installed ActiveSync, you can:

■ Create partnerships that enable you to synchronize information with up to two computers.

■ Select information to be synchronized with your Pocket PC (for example, Contacts, Calendar, Inbox, Tasks, Favorites, Files, Notes, and AvantGo).

Note: When you synchronize files, you can drag and drop the selected files from your computer to the synchronized folder on your Pocket PC. If you named your device "PC1" when you created your partnership, then the synchronized folder is named "PC1." When you synchronize, the files move to and from your Pocket PC.

Using the Serial Infrared (IR) Connection

As an alternative to using the desktop cradle, you can synchronize your Pocket PC and your computer using an infrared connection if you have an infrared port or an infrared USB adapter installed on your computer. The infrared connection option works only on computers that have Microsoft Windows 98SE, Me, 2000, or XP operating systems installed.

To set up an infrared connection to a computer:

1. Synchronize your Pocket PC with your computer using the desktop cradle **before** the first time you establish an ActiveSync connection via infrared.

2. Follow your computer manufacturer's instructions to install and set up an infrared port.

3. Remove the Pocket PC from the cradle and line up the infrared port with the computer infrared port so they are unobstructed and within 12 inches (30.5 cm) of each other.

4. Initiate a connection by tapping **Start** > **ActiveSync** > **Tools** > **Connect via IR.** Synchronization begins on your device.

5. To disconnect, move the devices away from each other or tap **X** in the upper right of the screen to turn off.

Changing Synchronization Settings

You can modify your synchronization settings for Microsoft ActiveSync to:

■ Change when your Pocket PC synchronizes with your computer or server.

■ Change the type of connection from your Pocket PC to your computer (for example, serial, USB, infrared connections).

■ Select the files and information to synchronize with your computer.

■ Select the files and information you do not want to synchronize with your computer (for example, e-mail attachments).

■ Determine how conflicts between information on your Pocket PC and information on your computer are handled.

To change synchronization settings:

1. From the **Start** menu on your computer, click **Programs** > **Microsoft ActiveSync** > **Tools** > **Options.**

   a. On the **Sync Options** tab, select the files and information to synchronize with your computer.

   b. On the **Schedule** tab, select when your Pocket PC synchronizes with your computer.

    c. On the **Rules** tab, determine how conflicts between information on your Pocket PC and information on your computer are handled.

2. Tap **OK** when you are finished.

3. From the **File** menu, click **Connection Settings.** Select the type of connection to be allowed between the Pocket PC and the computer.

Copying Files

You can copy files to and from your computer using **Explore** in ActiveSync and Windows Explorer.

To copy files:

1. Insert your Pocket PC into the desktop cradle.

2. From the **Start** menu on your computer, click **Programs** > **Microsoft ActiveSync.**

3. Click **Explore.**

4. Double-click the **My Pocket PC** icon.

5. On your computer, right-click the **Start** menu, and select **Explore.**

6. Locate the file to be moved.

NOTE: You cannot copy preinstalled files or system files.

7. Drag and drop your files between your Pocket PC and your computer. ActiveSync converts the files so that they can be used by the Pocket Office applications, if necessary.

NOTE: Move your files directly into My Documents on your Pocket PC (or into a folder inside My Documents), so the applications on your Pocket PC can locate them.

NOTE: Some files may lose some of their format during the conversion process to an application on the Pocket PC.

Installing Programs

Use ActiveSync to install programs on your Pocket PC from your computer:

1. Use the desktop cradle to connect your Pocket PC to your personal computer.

2. Follow the instructions in the Installation Wizard provided with the program.

3. Check the screen on your Pocket PC to see if any further steps are necessary to complete the program installation.

Backing up and Restoring

To help reduce the chance of losing information, you should back up information to your computer on your Pocket PC regularly. For more information on backing up and restoring information using Microsoft ActiveSync, refer to "Backing Up Information" in Chapter 4.

Synchronizing Links

You can synchronize links to Web sites from your **Favorites** list on your computer to view them offline with Pocket Internet Explorer.

1. From the **Start** menu on your computer, click **Programs** and double-click the **Internet Explorer** icon.

2. Click **Favorites** to see the list of links to your favorite Web sites.

3. To save a Web site link to Mobile Favorites, open the Web site, and click **Create Mobile Favorite.**

   If you select "Favorites" as an information type to be synchronized, ActiveSync copies your mobile favorite to your Pocket PC the next time you synchronize.

4. Follow the instructions in Synchronize information to manually synchronize your favorite links.

Using ActiveSync to Send and Receive E-mail

You can send and receive e-mail messages by synchronizing your Pocket PC with your computer using ActiveSync. If you are using ActiveSync to send and receive e-mail messages, the name of the folder you are using is displayed at the bottom of the screen. For more information on sending and receiving e-mail using ActiveSync, from the **Start** menu, tap **Help** > **Inbox.**

Requesting Meetings

You can schedule a meeting and send a meeting request through ActiveSync. For more information, from the **Start** menu, tap **Help** > **Calendar.**

10

Managing the Battery

Installing the Battery

Your iPAQ Pocket PC is shipped with the rechargeable battery partially charged. It is recommended that you fully charge the Pocket PC battery **before** setting up the unit, and recharge regularly. Your Pocket PC uses some power to maintain files in RAM and the clock. While working at your desk, keep the Pocket PC and Charger Adapter connected through the desktop cradle. When you travel, it is recommended that you carry the AC Adapter, Charger Adapter plug, or an optional spare battery with you.

△ **CAUTION:** Use only an HP approved battery for your iPAQ Pocket PC. Inserting a battery that does not comply with HP requirements may cause the Pocket PC to malfunction.

The iPAQ Pocket PC also has a small internal backup battery that allows you to change the main battery without losing RAM data (user-installed programs and data) as long as it is replaced immediately.

Installing the Battery

To install the removable/rechargeable battery in the HP iPAQ Pocket PC h6300 Series:

1. Insert the two tabs ❶ on the top of the battery into the latches in the top of the battery compartment on the back of the Pocket PC.

2. Snap the bottom of the battery into place ❷.
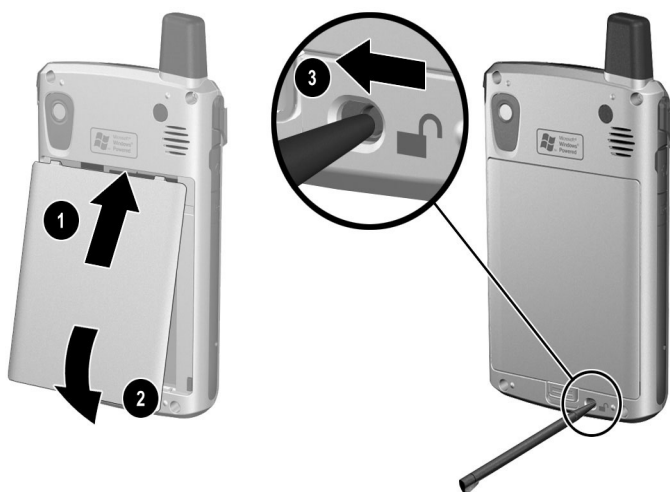
3. Insert the stylus into the battery lock ❸ and slide it to the left or locked position.

⚠️ **CAUTION:** The cover must be tightly latched in place and the **battery lock must be locked** for the Pocket PC to operate.

NOTE: If the battery is not fully charged, you must connect the AC Adapter to the Pocket PC to fully charge it before continuing. It takes up to four hours to fully charge a completely drained battery.

Removing the Battery

NOTE: Before removing the battery, use ActiveSync to back up data on your Pocket PC. If you need to clear the memory during the removal process, you will be able to restore the data.

To remove the battery from the iPAQ Pocket PC h6300 Series:

1. Insert the stylus into the battery lock ❶ and slide it to the right or unlocked position.

2. Slide the battery latch down ❷ to release the battery.

3. Remove the battery ❸.

⚠ **CAUTION:** Because most of the applications and data you install on your Pocket PC are held in memory (RAM), you will need to reinstall them if the battery completely discharges or if the battery is removed from the unit for more than 15 minutes. Otherwise, when fully charged, the internal backup battery will save the user installed data for up to 15 minutes when the standard battery is removed. Before removing the battery, check to see that the internal backup battery is fully charged by tapping **Start > Settings > System** tab > **Power** Icon.

You do not need to reinstall applications and data installed in the iPAQ File Store folder because they are saved in nonvolatile memory.

Charging the Battery

Battery Saving Tip: Leave your Pocket PC connected to AC power at all times when you're not using it.

Battery Saving Tip: You can program an Application Button to turn off the screen when an MP3 is playing, saving battery power used to run the screen. Tap **Start > Windows Media > Tools > Settings > Buttons.** From the **Select Function** drop down list, tap **Screen Toggle.** Press either the Calendar or Inbox application buttons on the front of your iPAQ Pocket PC, then tap **OK.**

Charging with the AC Adapter

The standard AC Adapter works in any household outlet. You can also charge your Pocket PC in your automobile with an automobile adapter that works in your vehicle's electrical cigarette lighter or a 12-volt power outlet.

To purchase a car adapter, refer to the HP Web site at: www.hp.com/products/pocketpc .

⚠ **CAUTION:** Use only HP recommended AC adapters.

To charge the iPAQ Pocket PC using the AC Adapter:

1. Plug the AC Adapter into an electrical outlet ❶.
2. Insert the AC Adapter plug into the charging adapter ❷.
3. Insert the charging adapter into the bottom of the Pocket PC ❸.

⚠ **CAUTION:** To avoid damaging your Pocket PC or the AC Adapter, check to be sure all connectors are properly aligned before connecting them.

4. When the Power button indicator on the top of the Pocket PC turns solid amber, the unit is fully charged and you can disconnect the AC Adapter. The approximate time to fully charge a drained battery is four hours.

NOTE: A standard battery can be charged in about four hours, an extended battery takes longer.

Charging with the Desktop Cradle and AC Adapter

Use the Desktop Cradle to charge the HP iPAQ Pocket PC.

NOTE: It is not necessary to synchronize your Pocket PC before charging it.

To charge the Pocket PC using the desktop cradle:

1. Plug the AC Adapter into an electrical outlet ❶ and connect the other end of the AC Adapter to the AC connector on the desktop cradle ❷.

2. Slide the bottom of your Pocket PC into the cradle ❸ and push firmly to seat it.

⚠ **CAUTION:** To avoid damaging your Pocket PC or the cradle, check to be sure the Pocket PC and cradle connectors are properly aligned before pushing the Pocket PC into the cradle.

NOTE: The amber charge light on the Power button blinks while the battery is recharging and turns solid amber (nonblinking) when the battery is fully charged.

Charging a Spare Battery

Battery Saving Tip: To ensure you always have battery power available, invest in an extra Standard Battery or Extended Battery. These batteries can be charged in the desktop cradle. To purchase an extra battery, refer to the HP Web site at www.hp.com/products/pocketpc.

To charge an extra battery in the desktop cradle:

1. Plug the AC Adapter into an electrical outlet and connect the other end of the AC Adapter to the AC connector on the desktop cradle.

2. Insert the battery into the battery compartment ❶ with the connectors on the top of the battery lined up with the connectors inside the battery compartment, and push in to seat it.

3. When the battery light on the front of the desktop cradle ❷ is amber, the battery is charging. When the light is green, the battery is completely charged and ready to use.

CHARGING TIP: When charging two batteries simultaneously, turn off/suspend your Pocket PC by pressing the Power button once. This allows two drained extended batteries to be charged within eight hours.

Charging with the Optional USB Autosync Cable

You can charge your iPAQ Pocket PC using the optional USB Autosync Cable. Connect the Autosync Cable to the Pocket PC and your personal computer. The Pocket PC will be charged using power from the personal computer.

For more information on charging your Pocket PC using the optional USB Autosync Cable, from the **Today** screen, tap **Start** > **Settings** > **System** tab > **Power** > **USB Charging** tab, and select **Use USB Charging.**

NOTE: USB charging is slower and provides less power when compared to charging with the AC adapter. The USB Slow Charge option can often deliver less power than is being consumed by the Pocket PC resulting in the battery gradually losing capacity instead of gaining it. If this happens, the charging LED does not blink. To ensure the battery is being charged, turn off/suspend your Pocket PC by pressing the power button once during slow USB charging. Because of this, the USB Fast Charge option is recommended over the Slow Charge option.

Changing the Backlight Settings

To change the backlight settings in order to conserve more battery power:

1. From the **Start** menu, tap **Settings** > **System** tab > **Backlight.**

2. Select the following backlight settings:

   ■ Brightness

   ■ Battery Power

   ■ External Power

   Battery Saving Tip: Set the backlight to go off quickly after you stop using your Pocket PC, or move the slide bar to **Power Save** mode to turn off the backlight completely. You can also set the backlight to turn on when a button is pressed or when the screen is tapped, or you can turn the backlight back on (or off) by pressing and holding the **Power** button for three seconds.

Managing the Battery

Changing the Wireless LAN Power Saving Modes

To change Wireless LAN (WLAN) power saving modes:

1. From the **Start** menu, tap **Settings > System** tab **> Power > Control** tab.

2. For WLAN Power Save mode, select:

   ■ **OFF**—No WLAN Power Save. Use only if the absolute highest WLAN throughput is required.

   ■ **Auto**—Automatically switches between Power Save and no power save.

   ■ **Extended**—Uses the least battery power while maintaining a WLAN connection. This mode significantly reduces the WLAN data throughput. It is not recommended for large file transfers.

Disabling the Application Buttons

Pressing the Contacts or Calendar Application Buttons on the front of your Pocket PC will turn your device on by default.

Battery Saving Tip: To reduce incidence of accidentally powering on the Pocket PC, you may choose to disable the Application and Record Buttons Auto Power On feature.

To disable the Auto Power On function of the Application Buttons or the Record Button:

1. Tap **Start** > **Settings** > **Buttons** > **Lock** tab.

2. Tap in the **Disable the application buttons** checkbox AND/OR tap in the **Disable the record button** checkbox.

3. Tap **OK.**

Note: If you disable the Auto Power On feature for the Application Buttons, the Power Button still turns the unit on. Once the unit is turned on, all buttons will function according to their programmed functions.

Manually Monitoring the Battery

To manually monitor the battery power:

1. From the **Start** menu, tap **Settings** > **System** tab > **Power** icon.

2. Tap **OK.**

Battery Saving Tip: Tap **Start > Settings > System** tab **> Power > Control** tab, then tap the **On battery power** checkbox and set it to turn your Pocket PC off after a short time of not being used.

11

Learning the Basics

Using the Today Screen

When you first turn on your Pocket PC, the **Today** screen displays. You can also display it by tapping **Start,** and **Today.** Use the **Today** screen to view:

■ Date and time

■ Owner information

■ Upcoming appointments

■ Unread and unsent messages

■ Tasks that need to be completed

Tap to switch to a program.

Tap to set Wireless connections.

Tap to change volume or mute all sounds.

Tap to change date and time.

Tap to set appointment or view existing appointments.

Tap to read e-mail.

Tap to add tasks.

Need New Screen

Tap to turn Bluetooth on/off.

Tap to create a new item.

Indicates unit is connected to desktop cradle.
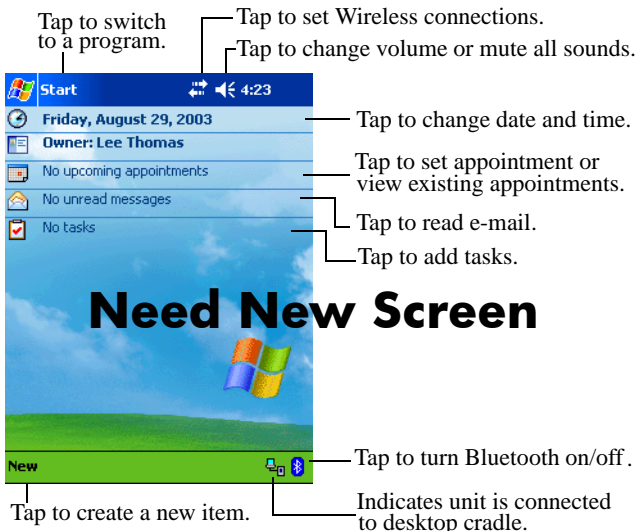
Navigation Bar and Command Bar

The Navigation bar is located at the top of the screen. It displays the active program and current time, and allows you to close screens. Use the **Start** menu to select a program.

Tap to select a program you used recently.

Tap to select a program.

Tap to see additional programs.
Tap to customize the settings.

Tap to view online Help.   Tap for Bluetooth features.
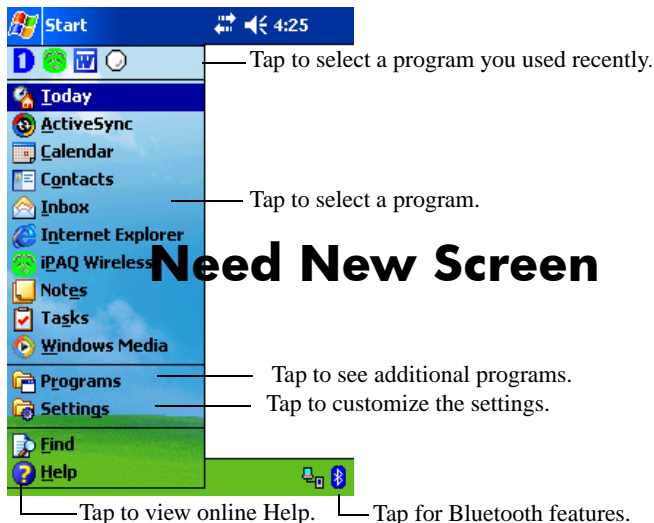
Within each program, use the Command bar located at the bottom of the screen to perform tasks. Tap **New** to create a new item in the current program.

New button   Input panel button

Menu actions   Buttons

Learning the Basics
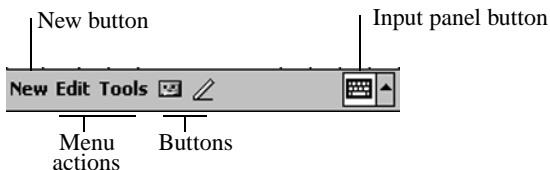
Status Icons

You may see the following status icons displayed on the Navigation or Command bar. Tap the icon on the screen to view more information related to the item.

	Active connection to computer or wireless network.
	Inactive connection to computer or wireless network.
	Microsoft ActiveSync is synchronizing.
	Speaker is on.
	Speaker is off or in mute position.
	Phone is powered on.
	Phone is powered off.
	Establishing a Wireless connection.
	Active Wireless connection showing the signal strength.
	Battery power is low.
	Battery power is very low.

☺	Icon room
✉	E-mail received.
👤	Instant messages received.
🖧	iPAQ Pocket PC is connected with the desktop cradle. This icon appears only when there is an active connection.
🅑	Bluetooth power-on/off icon. When the Bluetooth icon is blue, Bluetooth is active. When the Bluetooth icon is grayed with a red X, Bluetooth is inactive.

Pop-Up Menus

Pop-up menus allow you to quickly perform an action. Use the pop-up menu to cut, copy, rename, and delete an item, also send an e-mail or send a file to another device.

To access a pop-up menu, **tap** and **hold** the stylus on the item on which you want to perform the action. When the menu appears, tap the desired action, or tap anywhere outside the menu to close it without performing an action.
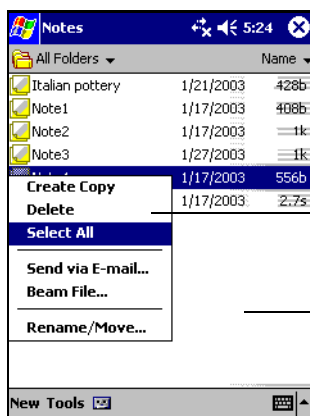
Tap and hold to display the pop-up menu.
Tap the action you want.

Tap outside the menu to close it without performing an action.

Creating information

From the **Today** screen, you can create new information, including:

■ Appointments

■ Contacts

■ Messages

■ Pocket Excel Spreadsheets

■ Notes

■ Tasks

■ Word documents

1. Tap , or from the **Start** menu, tap **Today** > **New.**

2. Tap an option to create a new item.

3. Tap **OK** after you finish creating a new item.

Customizing the Today Screen

From the **Settings Today** screen, you can:

■ Add a picture as the background.

■ Select the information you see.

■ Set the order of the information.

■ Set when to see the **Today** screen.

1. Tap ![icon], or from the **Start** menu, tap **Settings** > **Today.**

2. Select **Use this picture as the background** checkbox.
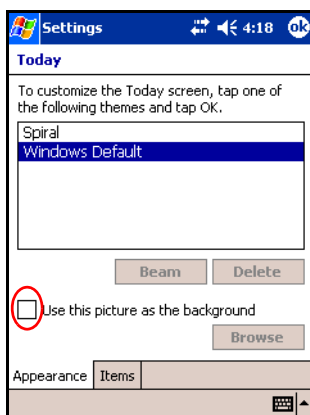
3. Tap **Browse** to select a picture from File Explorer.

4. Tap the **Items** tab to select or reorder the information on the **Today** screen.
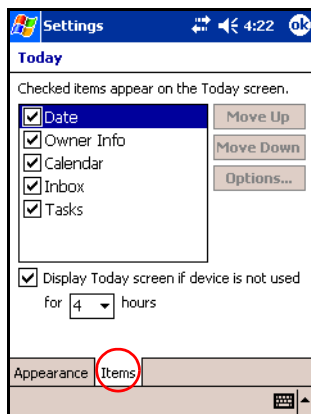
5. Tap an item to highlight it.

6. Tap **Move Up** or **Move Down** to change the order of items on the **Today** screen.

NOTE: You cannot change the placement of the **Date** on the **Today** screen.

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7. Tap the down arrow associated with **Display Today screen if device is not used for...hours** checkbox to determine how many hours must pass before the **Today** screen displays.

8. Tap **OK.**

Using Applications

Opening Applications

Open any application on your Pocket PC from the **Start** menu.

NOTE: You can also open an application by assigning it to one of the two available Application Buttons. The Phone Application Buttons **cannot be reassigned.** To assign Application Buttons, from the **Today** screen, tap **Start** > **Settings** > **Buttons.**

To open an application:

1. Tap **Start** > **Programs.**
2. Tap the desired application title or logo.

Minimizing Applications

To minimize an open application, tap the **x** at the top right of the screen.

Closing Applications

Applications automatically close based on available memory. However, if your Pocket PC is running slowly, you can close applications by manually closing them.

Closing Manually

1. From the **Start** menu, tap **Settings** > **System** tab > **Memory** > **Running Programs** tab**.**

2. Tap **Stop All** or select a particular application, then tap **Stop.**

NOTE: To bring a currently running program to the foreground, tap **Activate.**

Installing Applications

Install applications on your Pocket PC from your:

■ Computer by using Microsoft ActiveSync.

■ Pocket PC if the application file has a .cab extension.

■ Pocket PC or your computer by copying an application file that has an .exe or .cef extension.

When installing applications, look for the correct version for your HP iPAQ h6300 model or Microsoft Windows Mobile™ 2003 Software for Pocket PC Edition.

■ Follow the instructions provided with the application and by the Installation Wizard to install applications from your computer.

■ Tap the application file in File Explorer on your Pocket PC and follow the instructions on the Installation Wizard to install applications on your Pocket PC.

Backing Up Information

Use iPAQ Backup or Microsoft ActiveSync Backup to back up and restore information on your Pocket PC.

NOTE: iPAQ Backup is already installed on the Pocket PC. You must install ActiveSync on your computer before using ActiveSync Backup.

To help reduce the chance of losing information, you should back up information on a regular schedule.

Backup/Restore using iPAQ Backup

iPAQ Backup saves your data in a backup file. You may designate a file name and a location for the file to be saved. iPAQ Backup backs up to a memory card, main memory, or the iPAQ File Store folder. Close all programs on your Pocket PC before backing up or restoring your information.

⚠ **CAUTION:** Restoring your information replaces the current information on your Pocket PC with the information saved in your backup.

To backup/restore using iPAQ Backup:

1. Tap 📋, or from the **Start** menu, tap **Programs** > **iPAQ Backup.**
2. Tap the **Backup** tab or the **Restore** tab.
3. Select the files and folders to be backed up or restored.
4. Select file location for backed-up data.
5. Set backup or restore options.
6. Press the **Backup** or **Restore** button, and press the **Start** button on the next screen.

Backup/Restore Using ActiveSync

Close all programs on your Pocket PC before backing up or restoring your information.

△ **CAUTION:** Restoring your information replaces the current information on your Pocket PC with the information saved in your backup.

To backup/restore using ActiveSync:

1. Be sure the Pocket PC is connected to your computer.

2. From your computer, open Microsoft ActiveSync. From the **Start** menu, click **Programs** > **Microsoft ActiveSync.**

3. From the **Tools** menu, click **Backup/Restore.**

4. Click the **Backup** or **Restore** tab, and select your options.

5. Click **Backup Now** or **Restore Now.**

Using iPAQ File Store Folder

You can install programs and save files to the iPAQ File Store folder, which is accessed from File Explorer on your Pocket PC.

Programs and files stored in iPAQ File Store are stored in ROM and are saved if you perform a full reset of your Pocket PC or if the battery discharges completely.

To save to iPAQ File Store:

1. Copy the files to be saved to the iPAQ File Store folder.

2. From the **Start** menu, tap **Programs** > **File Explorer** > **My Device** > **iPAQ File Store.**

3. Paste the selected files.

NOTE: Before saving files to the iPAQ File Store folder, it is a good idea to determine how much memory is available in the folder. To view the amount of memory, from the **Start** menu, tap **Settings** > **System** tab > **Memory** > **Storage Card** tab, then select **iPAQ File Store** from the drop down menu.

12

Learning Input Methods

Using Input Software

⚠️ **CAUTION:** To avoid damaging your HP iPAQ Pocket PC screen, always use a stylus. **Never** use a pen or any type of metal pointer on the screen.

To input information to your Pocket PC, you can tap the keyboard or write with the Letter Recognizer, Microsoft Transcriber, or Block Recognizer in any application. You can use the stylus to draw and write on the screen in the Notes application and from any **Notes** tab in the Calendar, Contacts, and Tasks applications.

Changing Word Suggestion Options

As you type or write, the Pocket PC suggests words for you in a box above the keyboard, Letter Recognizer, or Block Recognizer, but not in the Transcriber.

You determine:

■ If words are suggested.

■ The number of letters you enter before a word is suggested.

■ The number of words that are suggested per entry.

If you do not want any words suggested, remove the checkmark by tapping the checkbox next to **Suggest Words When Entering Text.**

To change settings for word suggestions:

1. From the **Start** menu, tap **Settings** > **Input.**

2. Tap the **Word Completion** tab.
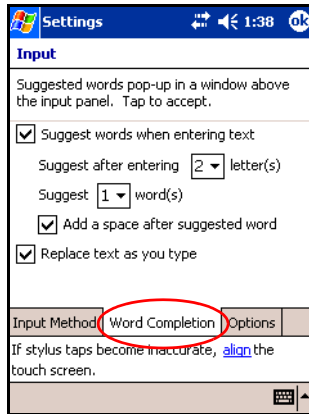
3. Tap the down arrow associated with letters and select the number of letters you want to type before a word is suggested.
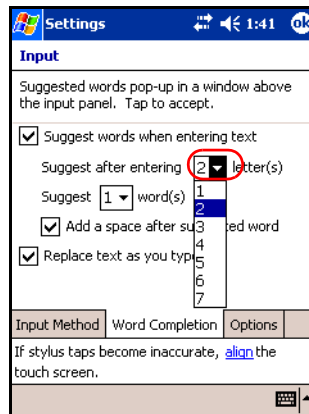
4. Tap the down arrow associated with words and select the number of words you want suggested.
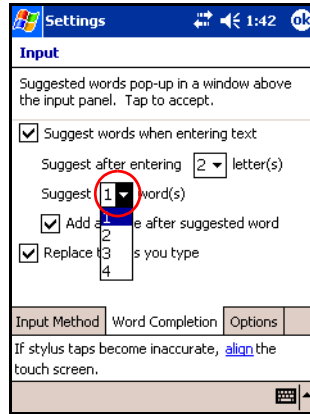
5. Tap **OK.**

Using the On-Screen Keyboard

Use the stylus to tap letters, numbers, and symbols on the on-screen keyboard to enter typed text directly onto the screen.

1. From any application, tap the up arrow next to the **Input Panel** icon.
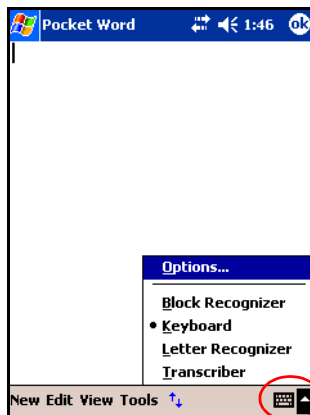
2. Tap **Keyboard** to display a keyboard on the screen.

NOTE: To see symbols, tap the **123** or **Shift** key.

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3. Tap a letter, symbol, or number to enter information.
4. Tap **OK.**

Writing with the Stylus and the Letter Recognizer

Use the stylus and Letter Recognizer to write letters, numbers, and symbols on the screen. Create words and sentences by writing in uppercase (ABC), lowercase (abc), and symbols (123) as instructed here.

To write with the stylus and Letter Recognizer:

1. From any application, tap the up arrow next to the **Input Panel** icon.
2. Tap **Letter Recognizer.**
3. Write a letter or symbol between the dashed line and baseline.

   a. To display in uppercase, write a letter between the hatch marks labeled **ABC.**

   b. To display in lowercase, write a letter between the hatch marks labeled **abc.**

   c. Write a number or draw a symbol between the hatch marks labeled **123.**

What you write will be converted to text.

NOTE: A question mark within a program indicates a **Help** file. Tap the **?** to open the Help file.

NOTE: For the Letter Recognizer to work effectively, write characters between the dashed line and baseline.

■ If you are writing a letter like "p," write the top portion within the dashed line and baseline, and the tail portion below the baseline.

■ If you writing a letter like "b," write the bottom portion within the dashed line and baseline, and the top portion above the dashed line.

Writing with the Stylus and Microsoft Transcriber

Use the stylus and Microsoft Transcriber to write words, letters, numbers, and symbols anywhere on the screen.

1. From any application, tap the up arrow next to the **Input Panel** icon.

2. Tap **Transcriber** to display the **Transcriber Intro** screen.

3. Tap **OK.**

4. Tap **New** at the bottom of the screen.

5. Begin writing on the screen. What you write will be converted to text.

NOTE: To "teach" Transcriber your style of writing, tap on the "a" icon at the bottom of the screen to display the **Letter Shapes** screen and follow the instructions.

Writing with the Stylus and Block Recognizer

Write letters, numbers, and symbols using the stylus and Block Recognizer. Create words and sentences by writing letters and numbers in specific areas.

1. From any application, tap the up arrow next to the **Input Panel** button.

2. Tap **Block Recognizer.**

NOTE: For online Help, tap the ?

3. Write a word, letter, or symbol between the hatch marks.

   a. To type text, write a letter between the hatch marks labeled "abc."

   b. To type numbers or symbols, write a number or symbol between the hatch marks labeled "123."

What you write will be converted to text.
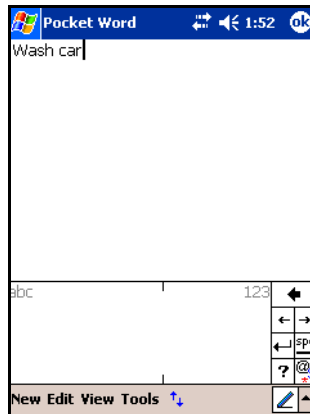
Drawing and Writing on the Screen

Use the stylus as a pen to draw and write on the screen in the Notes program or from the **Notes** tab in Calendar, Contacts, or Tasks.

1. From the **Start** menu, tap **Notes** > **New.**

2. Draw and write on the screen.

3. Tap the **Pen** icon.

4. Tap **OK.**

Converting Writing to Text

You can convert your writing to text when you write with the stylus in the Notes program or from the Notes tab in:

■ Calendar

■ Contacts

■ Tasks

To convert writing to text:

1. From the **Start** menu, tap **Notes.**

NOTE: Otherwise, tap the **Notes** tab in Calendar, Contacts, or Tasks.

2. Tap a note to open it.

3. Tap **Tools.**

4. Tap **Recognize.**

NOTE: To convert a particular word or phrase, highlight it before you tap **Recognize.** If a word is not recognized, it will not be converted.

5. Tap **OK.**

Using the Removeable Micro Keyboard

NOTE: Some iPAQ Pocket PC models may not include the keyboard.

The HP iPAQ Micro Keyboard is a convenient, portable input device for your HP iPAQ Pocket PC h6300 Series product. The Micro Keyboard does not require batteries and it uses a very small amount of power that is drawn from your Pocket PC.

With the Micro Keyboard, you can:

■ Easily type text into your iPAQ Pocket PC.

■ Quickly access your favorite iPAQ Pocket PC applications.

■ Enter commands with special function keys.

■ Use Send and End buttons for phone calls.

NOTE: If you regularly use an additional keyboard such as the HP Foldable Keyboard with your iPAQ Pocket PC, you may need to manually enable and disable the appropriate keyboards before use.

Connecting the Keyboard to Your iPAQ Pocket PC

To connect the Micro Keyboard to your iPAQ Pocket PC h6300 Series:

1. Press the buttons on the side of the keyboard.

2. Line up the guides on the bottom of the keyboard with the holes on the bottom of the Pocket PC.

3. Slide the Pocket PC into the Micro Keyboard until it is firmly seated.

NOTE: Repeat the above procedure to connect the Micro Keyboard to your iPAQ Pocket PC with an Extended Battery attached.

Checking the Keyboard Connection

After you've connected the keyboard to your iPAQ Pocket PC, if you press a key on the keyboard and the letter does not register, perform the following steps to check your keyboard connection:

1. Be sure the Micro Keyboard is securely connected to your iPAQ Pocket PC.

2. If the connection is secure, go to **Start > Programs > iPAQ Micro Keyboard** and be sure the **Enable Keyboard** check box is checked.

3. If the box is checked, use your stylus to press the **Reset** button on the left side of your iPAQ Pocket PC.

Disconnecting the Keyboard

To disconnect the keyboard from your iPAQ Pocket PC, push in the two buttons on the side of the keyboard to release it, then pull the Pocket PC from the keyboard.

Configuring the Keyboard

You can configure several features on your HP Micro Keyboard. To customize your keyboard:

1. On your Pocket PC, select **Start > Programs > iPAQ Micro Keyboard.**

2. Select the **Settings** tab.

3. Do one or more of the following:

   ❏ Tap the **Enable Keyboard** check box to enable or disable the keyboard functionality.

   ❏ Tap the **Enable Sound** check box to hear a click every time you press a key.

   ❏ Tap and slide the **Key Repeat Rate** scale to change the speed at which the keyboard repeatedly types a character when the key is held down.

   ❏ Tap in the **Test here:** field to verify the keyboard settings before exiting the iPAQ Micro Keyboard application.

Using the Function and Shortcut Keys

The Micro Keyboard keys perform additional functions when pressed in the combinations indicated.

The Orange Key (current prototype does not have an Orange key and keyboard is not working on model unit)is the function (Fn) key on the left side of the keyboard. The Blue Key is the Fn key on the right side of the keyboard. Orange symbols are located on the upper left portion of the keys. Blue symbols are located above the keys.

NOTE: It is recommended that you print this table for future reference.

Keystroke Combination	Action
Blue Key + any key	Enters characters printed on the upper right of the key (indicated in blue)
Blue Key pressed twice	Toggles on blue keys. Press **Blue Key** once to toggle off
Orange Key + any key	Enters character on key (indicated in orange)
Orange Key pressed twice	Toggles on orange keys. Press **Orange Key** once to toggle off
Orange Key + **left arrow**	Opens the Start menu
Orange Key + **Shift**	Opens the Tap and Hold menu
Orange Key + **F**	Creates a hyphen between letters (aa-bb)
Blue Key + **down arrow**	Page down
Blue Key + **up arrow**	Page up
Blue Key + **N**	Creates an underscore between letters (aa_bb)

(Continued)

Keystroke Combination	Action
Ctrl + **C**	Copies highlighted selection
Ctrl + **V**	Pastes
Ctrl + **X**	Cuts highlighted selection
Ctrl + **A**	Selects all
Ctrl + **Z**	Undo
Ctrl + **I**	Italicizes selection (toggle on/off)
Ctrl + **B**	Bolds selection (toggle on/off)
Ctrl + **U**	Underlines selection (toggle on/off)
Ctrl + **N**	Creates a new document in the current program
Shift hold + **right arrow**	Highlights area to the right of the cursor
Shift hold + **left arrow**	Highlights area to the left of the cursor
Shift hold + **up arrow**	Highlights area from the cursor to one row above the cursor
Shift hold + **down arrow**	Highlights area from the cursor to one row below the cursor
Application buttons **(Blue Key** + **R, T, Y,** or **U)**	Launch user programmable shortcuts to applications: **Blue Key** + **R:** Calendar **Blue Key** + **T:** Contacts **Blue Key** + **Y:** Inbox **Blue Key** + **U:** iTask

Accent Characters

To type any of the accent characters, press the **Blue Key,** then the accent character, then the letter you require to be accented. For example, pressing **Blue Key,** then **W,** then **a** will result in **à.**

To type a capital letter with an accent, press the **Blue Key,** then the accent character, then **Shift,** then the letter you require to be accented. For example, pressing **Blue Key,** then **W,** then **Shift,** then **A** will result in **À.**

To add **Ñ** or **ñ,** press the **Blue Key,** then either the left arrow or the right arrow.

Disabling the Micro Keyboard

If you would like to use a different keyboard with your iPAQ Pocket PC, you need to disable the Micro Keyboard first.

To disable the Micro Keyboard:

1. Select **Start** > **Programs** > **iPAQ Micro Keyboard.**

2. Select the **Settings** tab.

3. Clear the **Enable Keyboard** check box.

4. Tap **OK.**

5. Disconnect the keyboard.

You are now ready to install and connect another keyboard.

13

Troubleshooting

Use the following suggestions to troubleshoot problems with the Pocket PC.

Common Problems

Problem	Solution
I cannot see anything on the screen.	■ Be sure the Pocket PC is powered on. ■ Be sure the Pocket PC is connected to the AC Adapter and the Desktop Cradle. ■ Reset the device by using the stylus to lightly press the **Reset** button. ■ Remove and replace the battery.
I cannot keep my battery charged.	■ Always keep the Pocket PC connected to the AC Adapter when you are not using it. ■ Tap **Start** > **Settings > System** tab > **Power > backlight settings.** In backlight settings, adjust the bar to a lower level to conserve more battery power. ■ Tap **Start** > **Settings > System** tab > **Power > Advanced** tab. In battery power settings, set the battery power **To turn off device if not used for 2 minutes.** ■ Turn off the Phone, Bluetooth and all wireless connections when not in use.

Problem	Solution
	(Continued)
The backlight keeps turning off.	■ In Backlight Settings, increase the amount of time the backlight stays on if not in use. ■ Select the option to turn on the backlight when you touch the screen or push a button.
I want to ship my Pocket PC to a repair facility.	1. Back up your information. 2. Disconnect all external devices. 3. Pack your Pocket PC and any external devices requested by Customer Support in protective packaging. Include any additional documentation or items as instructed by Customer Support.

Problem	Solution
	(Continued)
I cannot connect to a network.	■ Be sure you have added the necessary server information. ■ Be sure the network you are attempting to connect to is not busy. ■ Check the signal strength. ■ Be sure your user name and password are correct. ■ Tap **Start** > **Settings** > **Connections** tab > **Connections** and check your connection settings. Tap **OK** when you are finished to save your changes. ■ Be sure the WEP key is correct. ■ Be sure the IP Address is correct. ■ Reset the device by using the stylus to lightly press the **Reset** button. ■ Check with your service provider for current connection problems. ■ Run the self-test diagnostics.
When I try to open the Inbox, I receive an error or the application hangs.	Limit the number of e-mail services you create.
I get an error when I try to record a note in Calendar or in Tasks.	Try using a more compressed recording format in Calendar or Tasks (8,000 Hz, Mono [8 KB/s] is the most compressed format available). To switch to a more compressed recording format, from the **Today** screen, tap **Start** > **Settings** > **Input** > **Options** tab.
I want to see the current date.	1. From the **Today** screen, tap **Start** > **Calendar.** 2. Tap the **Go-to-Today** icon to see today's date.
I cannot see all my appointments.	Be sure the appointment you created is in the selected category.

Problem	Solution
	(Continued)
I cannot find the document or workbook I saved.	Pocket Word and Excel recognize and display documents in only one folder below My Documents. For example, if you created another folder in the Personal folder in My Documents, the documents in that folder will not be shown. To find your document or workbook, tap **Start** > **Programs** > **File Explorer.** Open the folder you created, then tap the file you're looking for.
My device is always asking me for a password.	Tap **Start** > **Settings** > **Personal** tab > **Password** to be sure the password settings are configured as you wish.
I cannot find files sent to me by another device.	Check My Documents, which is the default save location used to receive files.
Screen freezes, responds slowly, or no response.	Try resetting your Pocket PC. Refer to the information on **Resetting the Unit** in Chapter 8, "Getting to Know Your HP iPAQ Pocket PC."
Stylus taps have inappropriate or slow response.	Realign the screen. From the **Start** menu, tap **Settings > System** tab > **Screen > Align Screen,** and follow the instructions.
Unit will not turn on.	1. Remove the battery. 2. Connect the unit to the AC adapter connected to an electrical outlet. 3. Go through the setup process after the unit powers on. 4. Reinstall the battery after completing the setup process.

Problem	Solution
My device keeps running out of memory.	■ Move programs or data to a memory storage card such as an SDIO or MMC expansion card.
	■ Set some programs (such as Notes or Pocket Word) to automatically save new files on the expansion card.
	■ Move e-mail attachments to the expansion card.
	■ Delete old or unncesssary files by tapping **Start > Programs > File Explorer.** Tap and hold the file, then from the Pop-up menu, tap **Delete.**
	■ Remove programs you do not use by tapping **Start > Settings > System** tab > **Remove Programs.** Tap the program to be removed and then tap **Remove.**
	■ Clear program memory by tapping **Start > Settings > System** tab > **Memory > Running Programs** tab. Tap the programs to be cleared and then tap **Stop.**

ActiveSync

For more information on Microsoft ActiveSync, refer to
Chapter 9, "Using ActiveSync."

Problem	Solution
I cannot connect to my computer using the Desktop Cradle.	■ Be sure you have installed Microsoft ActiveSync 3.7 or a later version on your host computer before connecting your iPAQ Pocket PC to it. ■ Be sure your Pocket PC is connected to the Desktop Cradle, and that the cradle is connected to your computer. ■ Be sure your Pocket PC is securely seated in the cradle and is making contact with the cradle connector. ■ Be sure you are running Microsoft Windows 98SE, Me, 2000, or XP and that you have installed Microsoft ActiveSync 3.7 or a later version on your computer. Also be sure you are connecting directly to a USB port on your computer and not through a USB hub. ■ Uninstall and reinstall ActiveSync. ■ If you are running personal firewall software, try disabling it. If you are then able to synchronize, contact the software vendor to information on configuring the required exclusions to eliminate this problem.
I connected my Pocket PC before installing Microsoft ActiveSync.	1. Disconnect the Pocket PC from your computer. 2. In Windows 98 or 2000, click **Start** > **Settings** > **Control Panel** > **System.** The Device Manager opens automatically. Locate and select the "unknown" USB device record and click Remove (Uninstall in Windows 2000). 3. Restart your computer and allow it to detect the USB device. 4. Install Microsoft ActiveSync 3.7 or higher. 5. Reconnect the Pocket PC to the computer.

Problem	Solution
	(Continued)
Microsoft ActiveSync cannot locate my Pocket PC when I synchronize.	■ Be sure the device is on. ■ Be sure all cables are securely connected. ■ Remove your Pocket PC from the Universal Desktop Cradle or disconnect it from the Autosync Cable, power on the unit by pressing the **Power** button, then put it back in the synchronization cradle or connect it to the cable. ■ Reset the device by using the stylus to lightly press the **Reset** button. ■ Check **Connection Settings** in ActiveSync on your computer to ensure the communications port you are using is active.
I cannot open e-mail in the Inbox after I restore using Microsoft ActiveSync.	Use Microsoft ActiveSync to synchronize your Pocket PC with your computer. For more information, refer to the "Synchronizing with Your Computer" section in Chapter 9, "Using ActiveSync."
I tried to synchronize a workbook and the file is unresolved in Microsoft ActiveSync.	Pocket Excel does not support all Excel formatting; therefore, Microsoft ActiveSync cannot synchronize the file.

Phone

For more information on using the Phone, refer to Chapter 2, "Using the Phone."

Problem	Solution
Phone will not turn on.	■ Check to see if your SIM card is inserted in the Pocket PC. ■ Be sure the battery in your Pocket PC is charged. ■ If the Pocket PC is powering on and the phone still does not turn on, contact your mobile phone service provider for help.
I am unable to dial out or receive incoming phone calls.	■ Check to see if your SIM card is inserted. ■ Make sure your wireless connection to your mobile service provider is turned on and your unit displays the appropriate signal strength. ■ Is the signal strength icon (📶) displaying a diminished number of vertical bars in the icon? If so, you may be in an area outside of the phone network. ■ If you still cannot dial out or receive phone calls, contact your mobile service provider for help.
Phone cuts off in the middle of phone conversations.	Be sure the battery on your Pocket PC is fully charged.

Problem	Solution
Phone runs out of memory.	Pocket PC automatically manages the allocation of memory between storage and program memory. When memory is low, try the following:

■ Move data to a storage card.

■ Move e-mail attachments to a storage card.

■ Delete e-mail or files no longer needed.

■ In Internet Explorer options, delete all files and clear history.

■ Delete old or unncesssary files by tapping **Start > Programs > File Explorer.** Tap and hold the file, then from the Pop-up menu, tap **Delete.**

■ Remove programs no longer used by tapping **Start > Settings > System** tab > **Remove Programs.** Tap the program to be removed and then tap **Remove.**

■ Clear program memory by tapping **Start > Settings > System** tab > **Memory > Running Programs** tab. Tap the programs to be cleared and then tap **Stop.**

Expansion Cards

For more information on expansion cards, refer to Chapter 7, "Expansion Cards."

Problem	Solution
My Pocket PC does not recognize the expansion card.	■ Be sure you have firmly pushed the expansion card into the Pocket PC. ■ Be sure you have inserted the appropriate card into the appropriate slot. ■ Be sure any third party drivers are installed. ■ Reset the device by using the stylus to lightly press the **Reset** button on the left side of the iPAQ Pocket PC.
I cannot insert my card.	■ Be sure the label is facing the front of the unit. ■ Be sure you are not inserting the card at an angle. ■ Be sure you insert the connection area first.
I cannot remove my SD card.	Push the SD card in to release the locking mechanism. The card will pop out slightly and can then be easily removed.

Bluetooth

For more information on Bluetooth, refer to Chapter 4, "Using Bluetooth."

Problem	Solution
I cannot discover another device.	■ Be sure Bluetooth is turned on. ■ Move closer to the device. ■ Be sure you have not limited your ability to see devices. ■ Be sure the device you are attempting to connect to is on and allows access to being discovered by other devices.
I can see other devices, but I cannot connect or exchange data with them.	■ Be sure Bluetooth is turned on. ■ Move closer to the device. ■ Be sure the other device has not restricted your access. ■ Try initiating pairing from the other device. Some Bluetooth-enabled device can only initiate pairing and cannot respond to pairing requests from other devices.
Other devices cannot find or connect to my device.	■ Be sure Bluetooth is turned on. ■ Move closer to the device. ■ Be sure you have not restricted other devices from finding yours. ■ Check your Bluetooth settings to ensure you have allowed your device to be discovered and others to connect.

(Continued)

Problem	Solution
Other devices do not receive my correct business card information.	■ Be sure you have correctly set up your business card information in **Bluetooth Settings.** ■ Check **Bluetooth Settings** to be sure you have not restricted this function.
The Pocket PC cannot find my Bluetooth-enabled Mobile phone.	■ Be sure your mobile phone is in discoverable mode. ■ Contact your mobile phone manufacturer and ask if there is a firmware upgrade.

Wireless LAN

For more information on Wireless LAN, refer to Chapter 3, "Using Wireless LAN."

Problem	Solution
I cannot connect to an access point.	■ Be sure the WLAN is on. ■ Be sure the device identified the network you want to connect to. ■ Be sure you provided any necessary authentication keys if prompted by the system. ■ Be sure your Pocket PC is within range of an access point.
I am connected to an access point, but I cannot browse the Internet.	If the wireless network you are connected to connects to Work, the network may require a proxy. To set up the proxy: 1. Ask your network administrator for the proxy settings. 2. Tap the **Connections** icon > **Add Proxy Server.** 3. Refer to "Setting Up Proxy Server Settings" in Chapter 12 for more information.
I do not see my wireless network on my Pocket PC.	Your wireless network could be a non-broadcasting network. 1. Tap the **Connections** icon > **Settings.** 2. Tap the **Advanced** tab > **Network Cards** > **Add New Settings.** 3. Follow the instructions on the screen.

Problem	Solution
	(Continued)
I cannot turn the Wireless LAN on.	■ Be sure you have enough battery charge. If the battery is low, your Pocket PC will not turn on the WLAN in order to conserve power. ■ Reset the device by using the stylus to lightly press the **Reset** button.
I cannot connect to an available network with no name.	1. Tap **Start > Settings > Connections** tab > **Connections > Advanced** tab > **Network Card.** 2. Select **Add New Settings.** 3. Enter the network name (SSID). 4. Select the appropriate values in the **Connects to:** box. 5. If WEP settings are required, tap the **Authentication** tab and enter them.

Traveling with your Pocket PC

Use the following guidelines when traveling with your Pocket PC:

■ Back up your information.

■ Take a copy of your backup with you on an SD memory card.

■ Disconnect all external devices.

■ Take the AC Adapter and Charger Adapter with you.

■ Keep your Pocket PC in a protective case and keep it in your carry-on luggage.

■ For air travel, be sure to turn off the Phone, Bluetooth, and Wireless LAN. To turn off all wireless features, from the **Today** screen, tap **Start > iPAQ Wireless.** Then tap the orange icon to the left of All wireless features OFF.

■ If you are traveling internationally, be sure you have the plug adapter appropriate for the country you are visiting.

A

Regulatory Notices

Federal Communications Commission Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna

- Increase the separation between the equipment and receiver

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected

- Consult the dealer or an experienced radio or television technician for help

This device contains 900/1800 MHz GSM functions that are not operational in U.S. territories. This filing is only applicable for GSM 850 MHz and PCS 1900 MHz operations.

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Hewlett-Packard Company may void the authority to operate the equipment.

Cables

Connections to this device must be made with shielded cables with metallic RFI/EMI connector hoods in order to maintain compliance with FCC Rules and Regulations.

Declaration of Conformity for products marked with the FCC logo— United States only

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For questions regarding your product, contact:

Hewlett-Packard Company
P. O. Box 692000, Mail Stop 530113
Houston, Texas 77269-2000

Or, call 1-800-652-6672

For questions regarding this FCC declaration, contact:

Hewlett-Packard Company
P. O. Box 692000, Mail Stop 510101
Houston, Texas 77269-2000

Or, call (281) 514-3333

To identify this product, refer to the Part, Series, or Model number found on the product.

RF exposure FCC

Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operation can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. (Body-worn measurements may differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. For body worn operation, to maintain compliance with FCC RF exposure guidelines, use only accessories that contain no metallic components and provide a separation distance of 15mm (0.6 inches) to the body. Use of other accessories may violate FCC RF exposure guidelines and should be avoided.

Health and Safety Information FCC

Exposure to Radio Frequency (RF) Signals your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on the safety standards previously set by both U.S. and international standards bodies:

This EUT has been shown to be capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment/general population exposure limits specified in ANSI/IEEE Std. C95.1-1992 and had been tested in accordance with the measurement procedures specified in FCC/OET Bulletin 65 Supplement C (2001) and IEEE Std. 1528-200X (Draft 6.5, January 2002). Ministry of Health (Canada), Safety Code 6. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg *.

* In the U.S. and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in.

Canadian Notice

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Avis Canadien

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Japanese Notice

この装置は、情報処理装置等電波障害自主規制協議会（ＶＣＣＩ）の基準に基づくクラスＢ情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

Korean Notice

B급 기기 (가정용 정보통신기기)

이 기기는 가정용으로 전자파적합등록을 한 기기로서
주거지역에서는 물론 모든지역에서 사용할 수 있습니다.

European Union Notice

$C\epsilon$ 0681 $\textcircled{!}$

Products bearing the CE marking comply with the R&TTE Directive (1999/5/EC), EMC Directive (89/336/EEC), and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community. CE compliance of this computer is valid only if powered with an HP-provided CE marked AC Adapter.

Compliance with these directives implies conformity to the following European Norms (in parentheses are the equivalent international standards and regulations):

■ EN 55022 (CISPR 22)—Electromagnetic Interference

■ EN 55024 (IEC61000-4-2, 3, 4, 5, 6, 8, 11)—
Electromagnetic Immunity

■ EN61000-3-2 (IEC61000-3-2)—Power Line Harmonics

■ EN61000-3-3 (IEC61000-3-3)—Power Line Flicker

■ EN 60950 (IEC 60950)—Product Safety

■ ETS 300 328-2—Technical requirements for 2.4 GHz radio equipment

■ EN 301 489-1, -17—General EMC requirements for radio equipment

The IEEE 802.11b wireless LAN and Bluetooth functionality of this product may be used in the following EU, EU candidate, and EFTA countries: Austria, Belgium, Denmark, Estonia, Finland, Germany, Greece, Hungary, Iceland, Ireland, Italy, Liechtenstein, Lithuania, Luxemborg, Malta, Netherlands, Norway, Portugal, Slovenia, Spain, Sweden, Switzerland, and United Kingdom.

For IEEE 802.11b wireless LAN operation of this product, only a limited band is available in France (Channels 10, 11, 12, and 13 only). l'Autorité de régulation des télécommunications (ART) has special regulations for hotspots allowing other channels, too. Please check with ART (http://www.art-telecom.fr) on this for local rulings and for authorization.

Battery Warning

⚠ **WARNING:** This iPAQ Pocket PC contains a LITHIUM-ION rechargeable battery. To reduce the risk of fire or burns, do not disassemble, crush, puncture, short external contacts, or dispose of in fire or water.

⚠ **CAUTION:** Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

Because of the type of battery used in your iPAQ Pocket PC, follow local regulations regarding the safe disposal of the battery. Your vendor can advise you on local regulations, and/or the existence of any battery disposal programs in operation.

Equipment Warning

⚠ **WARNING:** To reduce the risk of personal injury, electrical shock, fire or damage to the equipment:

■ Plug the AC Adapter into an electrical outlet that is easily accessible at all times.

■ Disconnect power from the equipment by unplugging the AC Adapter from the electrical outlet.

■ Do not pull on power cables. When unplugging from the electrical outlet, grasp the AC Adapter and pull out from the electrical outlet.

■ Do not place anything on the power cables. Arrange them so that no one may accidentally step on or trip over them.

Airline Travel Notice

Use of electronic equipment aboard commercial aircraft is at the discretion of the airline.

Wireless Notices

In some environments, the use of wireless devices may be restricted. Such restrictions may apply aboard airplanes, in hospitals, near explosives, in hazardous locations, etc. If you are uncertain of the policy that applies to the use of this device, please ask for authorization to use it prior to turning it on.

U.S. Regulatory Wireless Notice

⚠ **WARNING:** Exposure to Radio Frequency Radiation
The radiated output power of this device is below the FCC radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact during normal operation is minimized. To avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna should be minimized. The long-term characteristics or possible physiological effects of Radio Frequency electromagnetic fields have not been investigated by UL.

Canadian Regulatory Wireless Notice

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Australian Wireless Notice

⚠️ **WARNING:** Switch off this device whenever in an area with a potentially explosive atmosphere (i.e., service stations, chemical plants, etc.).

Japanese Regulatory Wireless Notice

この機器の使用周波数帯では、電子レンジ等の産業・科学・医療用機器のほか工場の製造ライン等で使用されている移動体識別用の構内無線局（免許を要する無線局）及び特定小電力無線局（免許を要しない無線局）が運用されています。

1　この機器を使用する前に、近くで移動体識別用の構内無線局及び特定小電力無線局が運用されていないことを確認して下さい。

2　万一、この機器から移動体識別用の構内無線局に対して電波干渉の事例が発生した場合には、速やかに使用周波数を変更するか又は電波の発射を停止した上、下記連絡先にご連絡頂き、混信回避のための処置等（例えば、パーティションの設置など）についてご相談して下さい。

3　その他、この機器から移動体識別用の特定小電力無線局に対して電波干渉の事例が発生した場合など何かお困りのことが起きたときは、次の連絡先へお問い合わせ下さい。

連絡先：日本ヒューレット・パッカード株式会社　ＴＥＬ：０１２０－０１４１２１

2.4 FH 1

2.4 DS 4

Brazilian Regulatory Wireless Notice

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

Singaporean Wireless Notice

■ Switch off your cellular telephone when in an aircraft. The use of cellular telephones in an aircraft may be dangerous to the operation of the aircraft, disrupt the cellular network, and is illegal. Failure to observe this instruction may lead to suspension or denial of cellular services to the offender, or legal action or both.

■ Users are advised not to use the equipment when at a refueling point.

■ Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots, chemical plants or where blasting operations are in progress.

■ The use of the Alert device to operate a vehicle's lights or horn on public roads is not permitted.

■ It is advised that a handheld microphone or telephone handset should not be used by the driver while the vehicle is moving, except in an emergency. Speak only into a fixed, neck slung or clipped-on microphone when it would not distract your attention from the road.

■ As with other mobile radio transmitting equipment, users are advised that for satisfactory operation of the equipment and for the safety of personnel, it is recommended that no part of the human body be allowed to come too close to the antenna during operation of the equipment.

Taiwanese Wireless Notice

B

Specifications

System Specifications

System Feature	Description
Processor	TI OMAP 1510
Operating System	Microsoft Windows Mobile™ 2003 Software for Pocket PC- Phone Edition
SDRAM	64-MB SDRAM (55 MB user accessible)
ROM	64-MB
iPAQ File Store (nonvolatile memory)	Up to 20-MB Storage (not available in Korean, Japanese, Traditional Chinese, and Simplified Chinese versions)
External Power	10 watt maximum output AC Adapter
Display	3.5 inch transflective color TFT, 240 x 320 pixels, 64K-color support.
LED Backlight	Multi-level brightness adjustment
SD I/O slot	Supports SDIO and SD/MMC type standard
Audio	Microphone, speaker (speakerphone + MP3 stereo), Handsfree: earphone + microphone jack, Stereo headphone jack,
Ear Bud Headset	Wired Ear Bud
Removable Keyboard	Micro Keyboard with Function and Shortcut Keys (not included with all models)

System Feature	Description
	(Continued)
Infrared (IrDA)	IrDA, data transfer up to 115.2 Kb per second
Bluetooth	Class II device; typical 10 meters (30 feet) range
802.11b	Wireless Local Area Network
GPRS data features	Class B GPRS Multi slot Class 10, Quadband Coding Schemes: CS1 to CS4
GSM voice features	Full Rate, Enhanced Full Rate, Adaptive Multi-Rate (FR/EFR/AMR) Echo cancelation and noise reduction Full duplex hands-free
GSM Data	Circuit Switched Data - GSM Transparent and non-transparent (NT) data V.42bix data compression for GSM NT data
SIM Card	SIM standards
LED Indicators:	
Phone (Left LED)	■ Blinking Green indicates active GSM/GPRS connection. ■ Blinking Amber indicates inactive GSM/GPRS connection. ■ LED off indicates connection to GSM/GPRS is powered Off.
Bluetooth (Middle LED)	■ Blinking Blue indicates Bluetooth is powered On. ■ LED off indicates Bluetooth is powered Off.
WLAN (Right LED)	■ Blinking Green indicates active connection to WLAN. ■ Blinking Amber indicates inactive connection to WLAN. ■ LED off indicates connection to WLAN is powered Off.

System Feature	Description
	(Continued)
Power Button LED	■ Blinking Green indicates Notification, tone, pop-up message. ■ Blinking Amber indicates unit is charging. ■ Solid Amber indicates unit is fully charged. ■ LED off indicates power to unit is off.
Battery	Removable/rechargeable 1800 mAh, 3.7 Volt, Lithium Polymer battery with internal backup battery to maintain data during main battery replacement.

Physical Specifications

HP iPAQ h6300 Series

	US	Metric
Length	4.68 in	119.0 mm
Width	2.95 in	75.0 mm
Depth	0.73 in	18.7 mm
Weight	6.7 oz	190 g

Operating Environment

Environment

		US	Metric
Temperature	Operating	32° to 104° F	0° to 40° C
	Nonoperating	-4° to 140° F	-20° to 60° C
Relative Humidity	Operating	up to 80%	up to 80%
	Nonoperating	up to 80%	up to 80%
Maximum Altitude	Operating	15,000 ft	0-4572 m
	Nonoperating	40,000 ft	0-4572 m